Ejercicios protocolos de red. (subredes)

Creación de **subredes** en la clase, una por cada fila de alumnos, con máquinas virtuales WinXP.
Establecer el grupo de trabajo como AULA2 y compartir dos **carpetas en red** (subred), una con permisos de sólo escritura y otra con permisos de lectura y escritura. Comprobar el funcionamiento copiando archivos en las carpetas compartidas. No deberíamos tener conexión a internet. Probar la conexión entre los equipos con el comando PING.

Subred 1: 10.0.0.X (Mascara 255.255.255.0)

Subred 2: 10.0.1.X (Mascara 255.255.255.0)

Subred 3: 10.0.2.X (Mascara 255.255.255.0)

Subred 4: 10.0.3.X (Mascara 255.255.255.0)

¿Qué puerta de enlace utilizamos?¿Funciona?

Crear ahora subredes por cada grupo de 4 alumnos, no por filas como antes. Y comprobar que estamos bien conectados con los compañeros que debemos y que no tenemos conexión con los que nos debemos tenerla.
Probar si tenemos o no conexión entra la máquina virtual y la real. ¿Conectan?

Cambiar la máscara de red para que todos los equipos que antes estaban separados en subredes vuelvan a tener conexión entre ellos. ¿Qué máscara de red utilizamos?

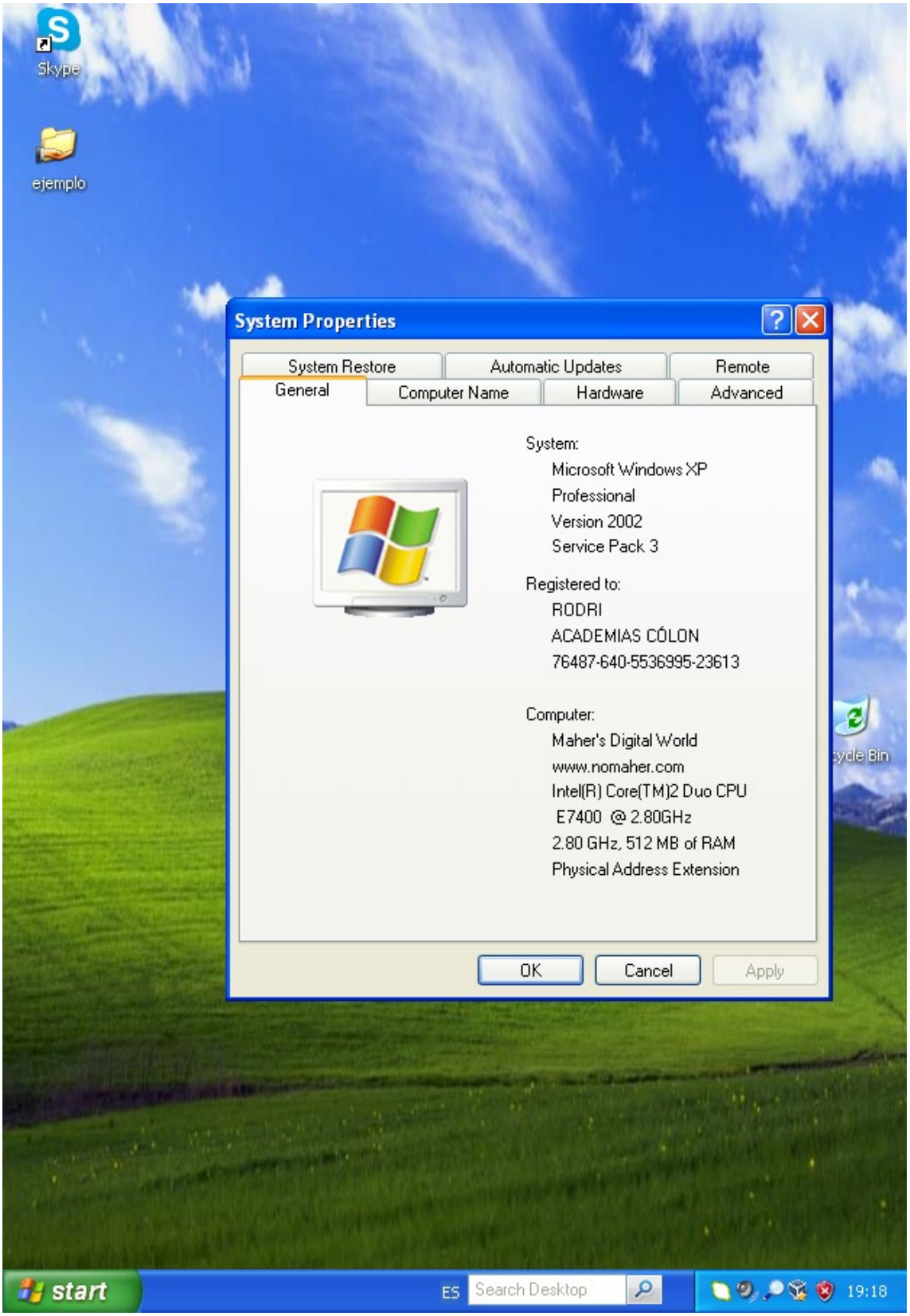
Después volver a juntar las subredes en una sola, como estaba al principio: 192.168.1.X, y comprobar la interconexión entre todos los equipos. Probar si ahora tenemos conexión a internet.

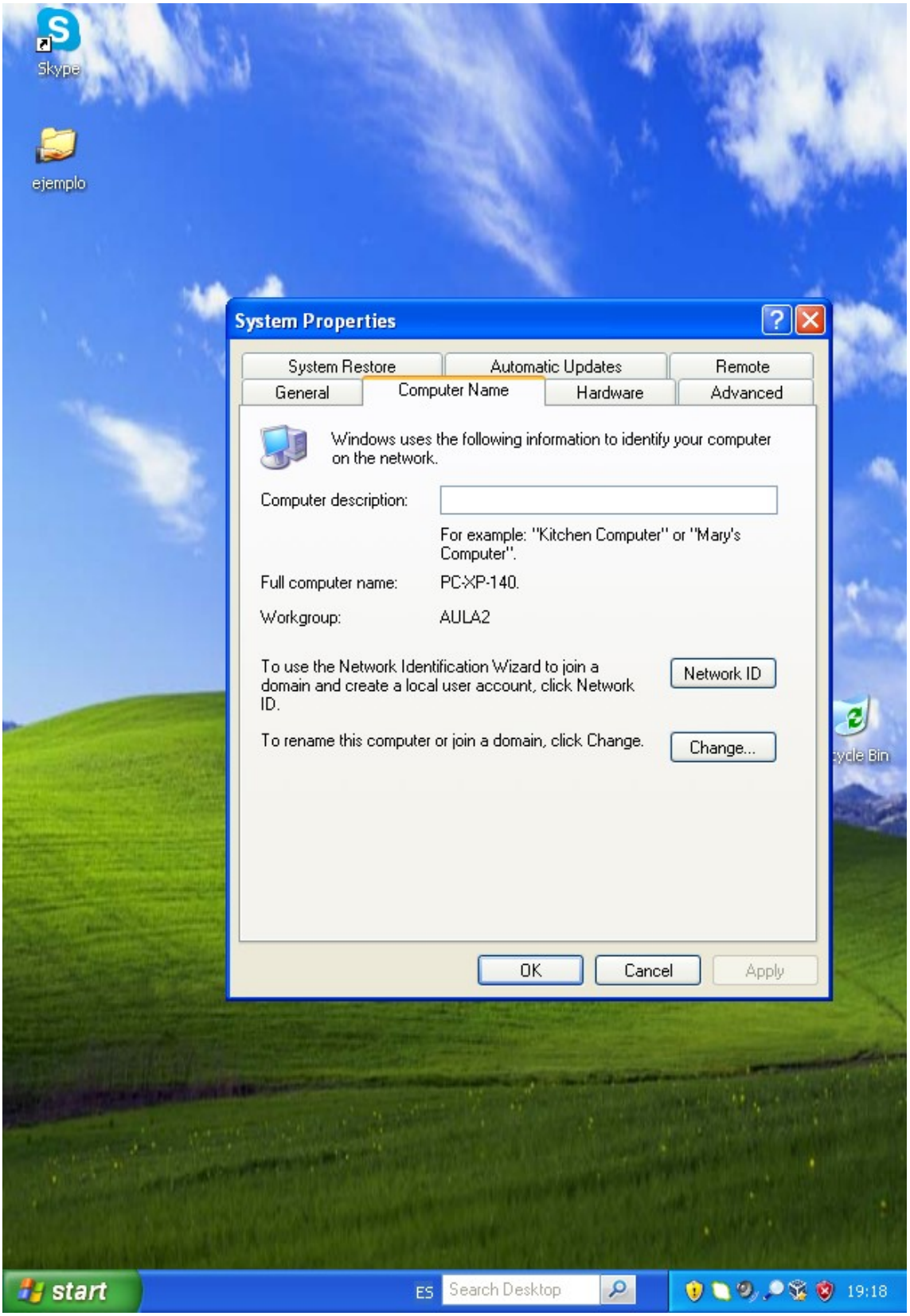
Cambiar la dirección MAC de nuestra máquina virtual. ¿Para qué puede servir esto? ¿Podríamos cambiar la MAC de nuestra máquina real? Comprobar la MAC real y anotarla en el documento de especificación del PC.

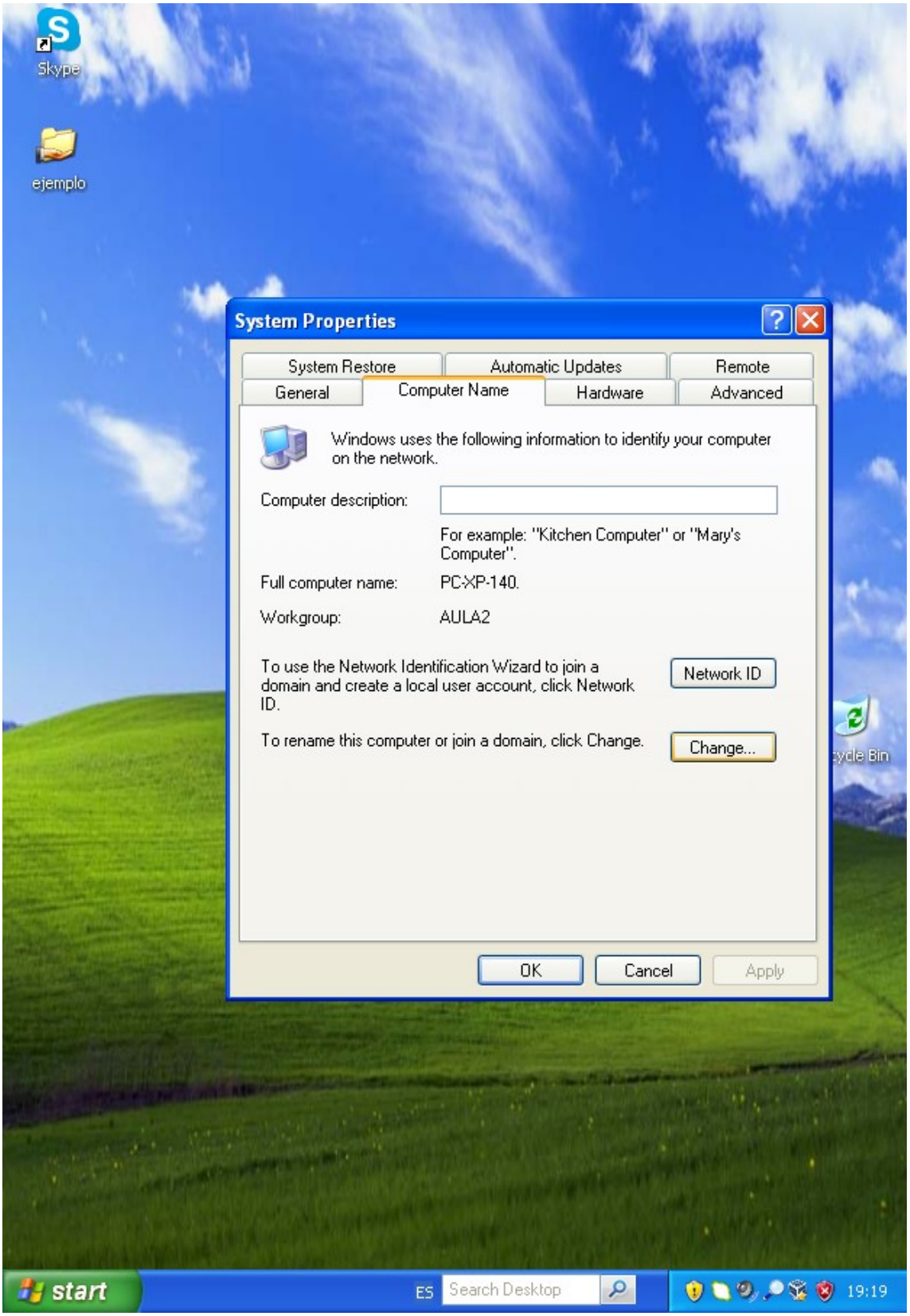
1. Establecer el grupo de trabajo como AULA2 y compartir dos **carpetas en red** (subred), una con permisos de sólo escritura y otra con permisos de lectura y escritura:

Skype
ejemplo
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
19:18

Skype
ejemplo
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Open
Explore
Search...
Manage
Map Network Drive...
Disconnect Network Drive...
Show on Desktop
Rename
Properties
Log Off
Turn Off Computer
start
ES
Search Desktop
19:18


Skype
ejemplo
System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
System:
Microsoft Windows XP
Professional
Version 2002
Service Pack 3
Registered to:
RODRI
ACADEMIAS CÓLON
76487-640-5536995-23613
Computer:
Maher's Digital World
www.nomaher.com
Intel(R) Core(TM)2 Duo CPU
E7400 @ 2.80GHz
2.80 GHz, 512 MB of RAM
Physical Address Extension
OK
Cancel
Apply
start
ES
Search Desktop
19:18


Skype
ejemplo
System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Windows uses the following information to identify your computer on the network.
Computer description:
For example: "Kitchen Computer" or "Mary's Computer".
Full computer name:
PC-XP-140.
Workgroup:
AULA2
To use the Network Identification Wizard to join a domain and create a local user account, click Network ID.
Network ID
To rename this computer or join a domain, click Change.
Change...
OK
Cancel
Apply
start
ES
Search Desktop
19:18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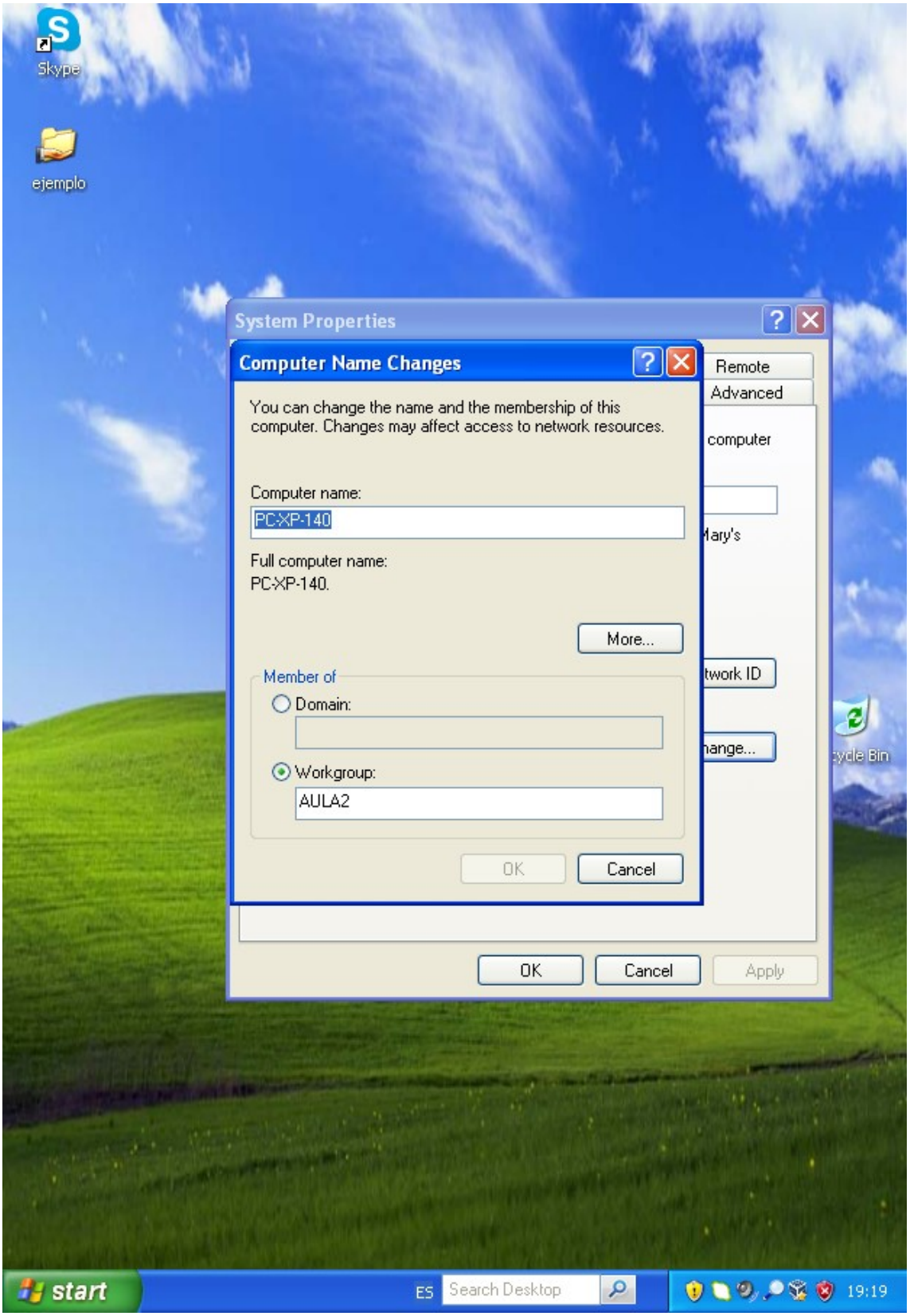
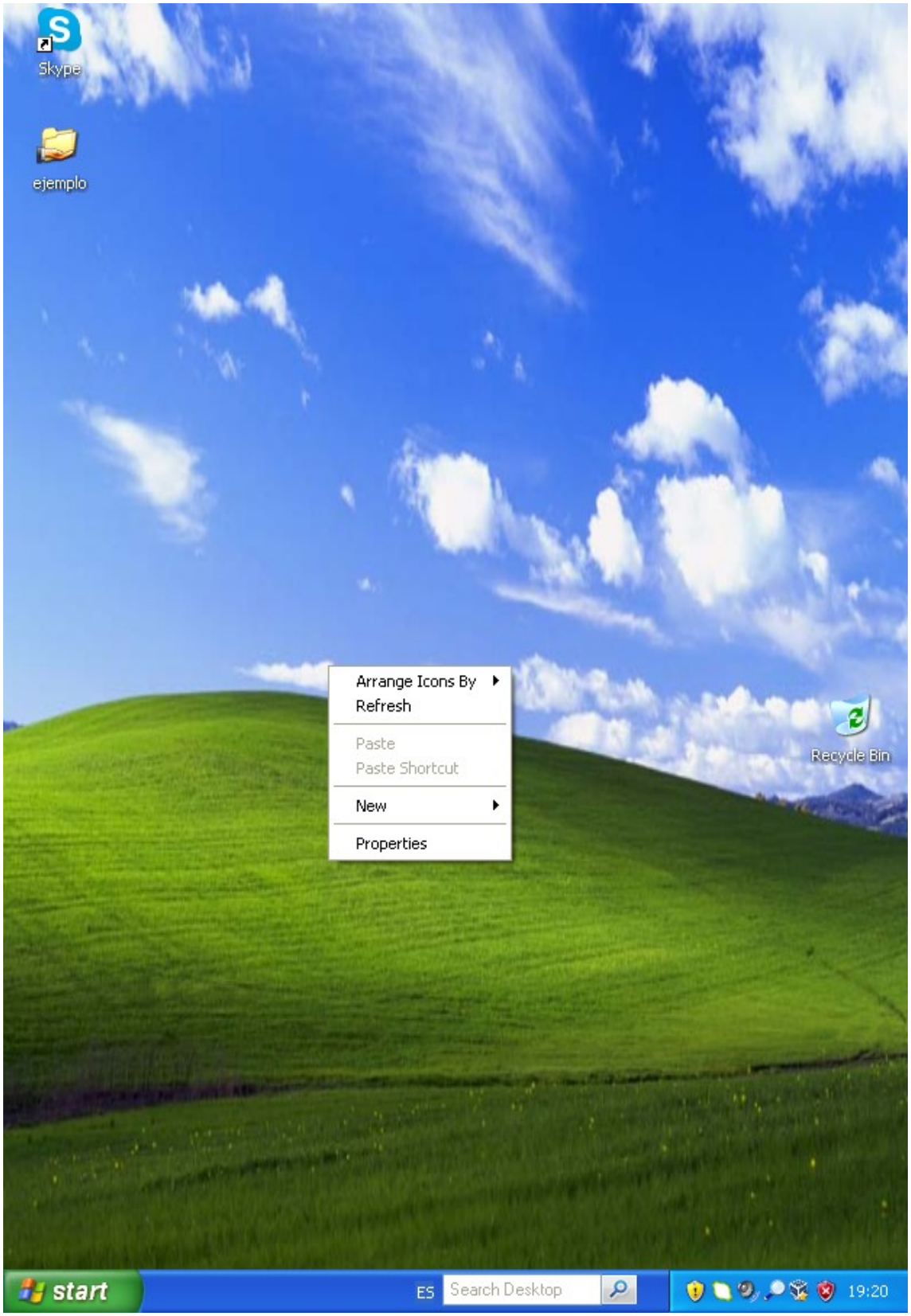
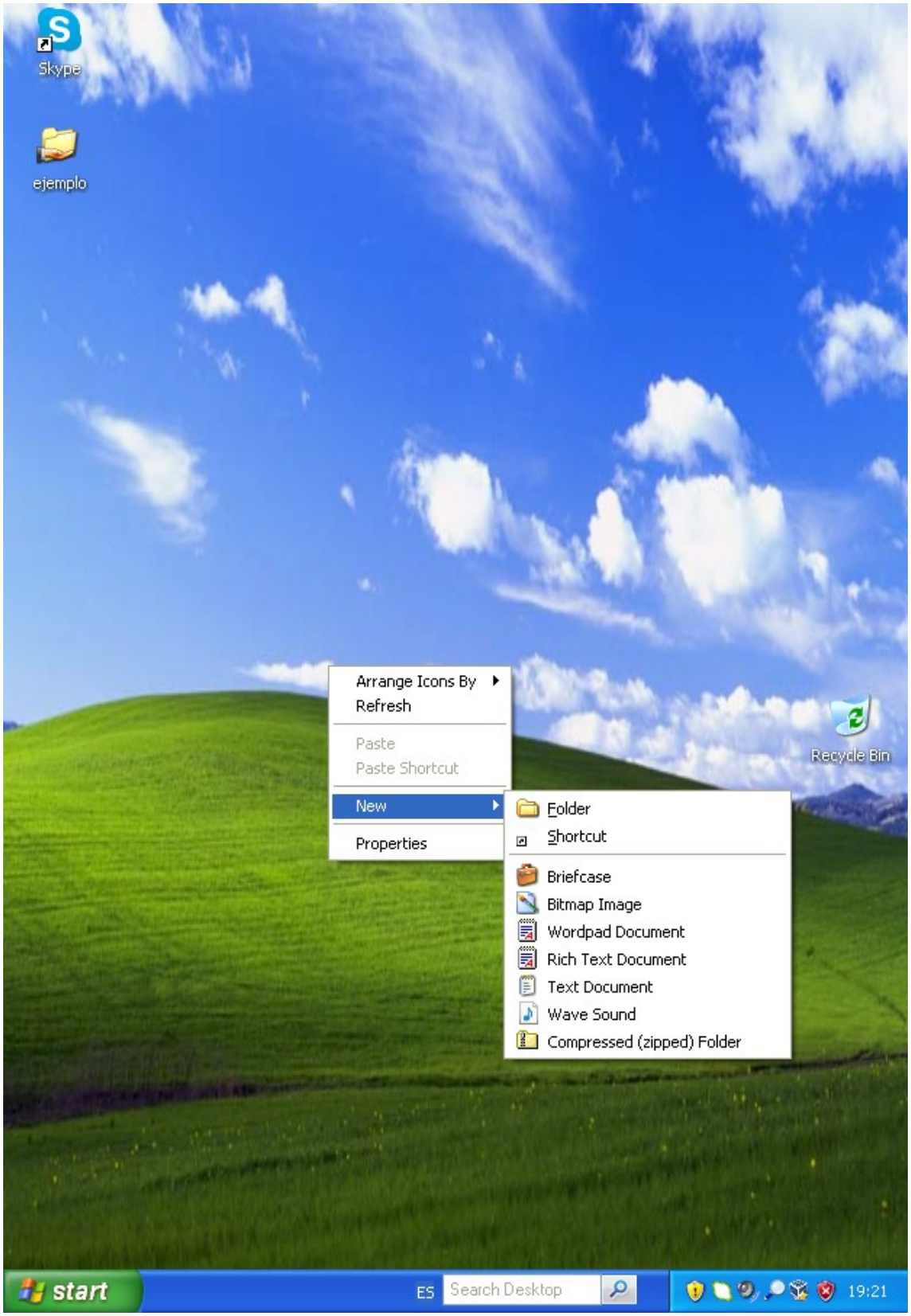
Change...
OK
Cancel
Apply
start
ES
Search Desktop
19:19

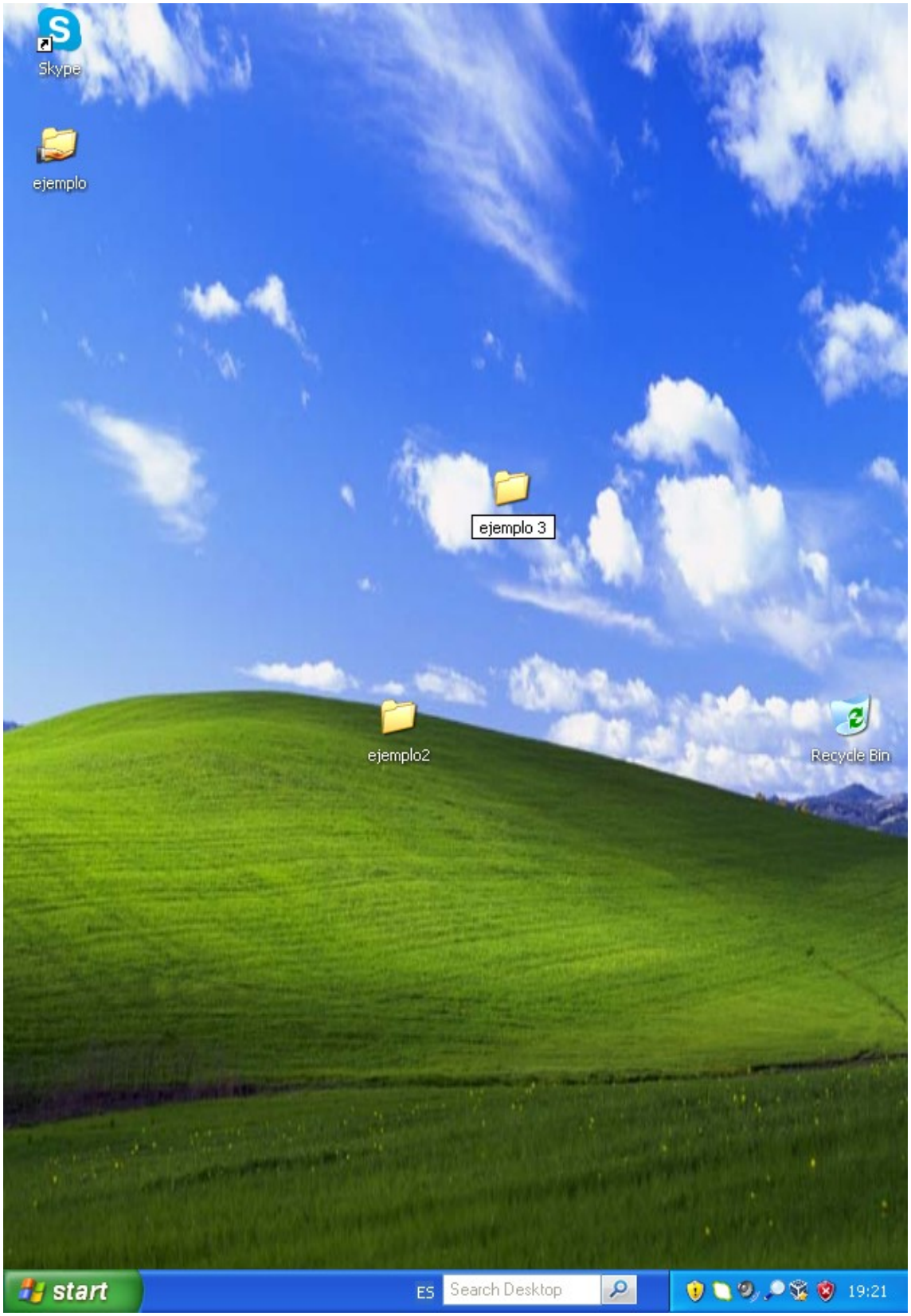


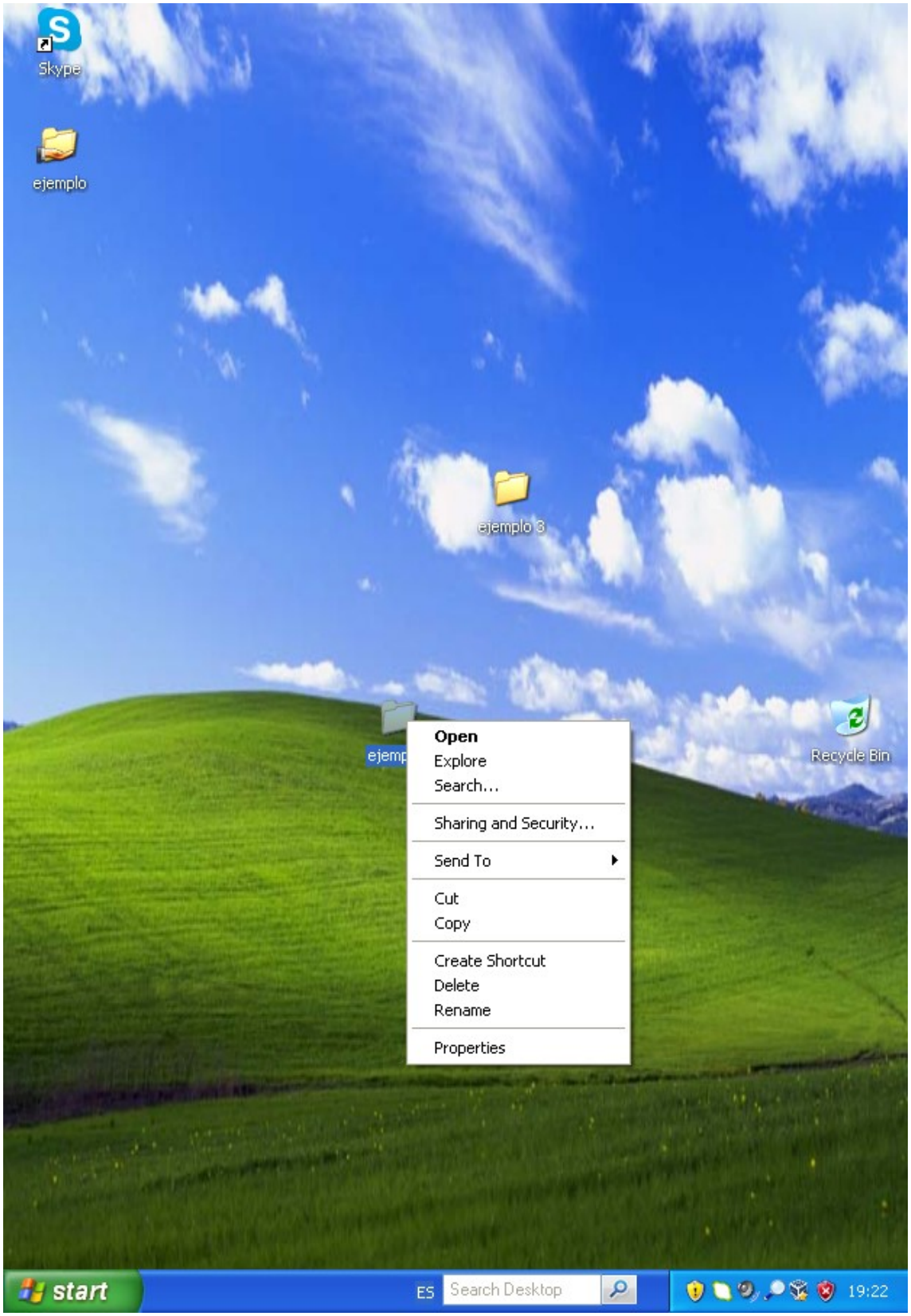
- Compartir dos carpetas

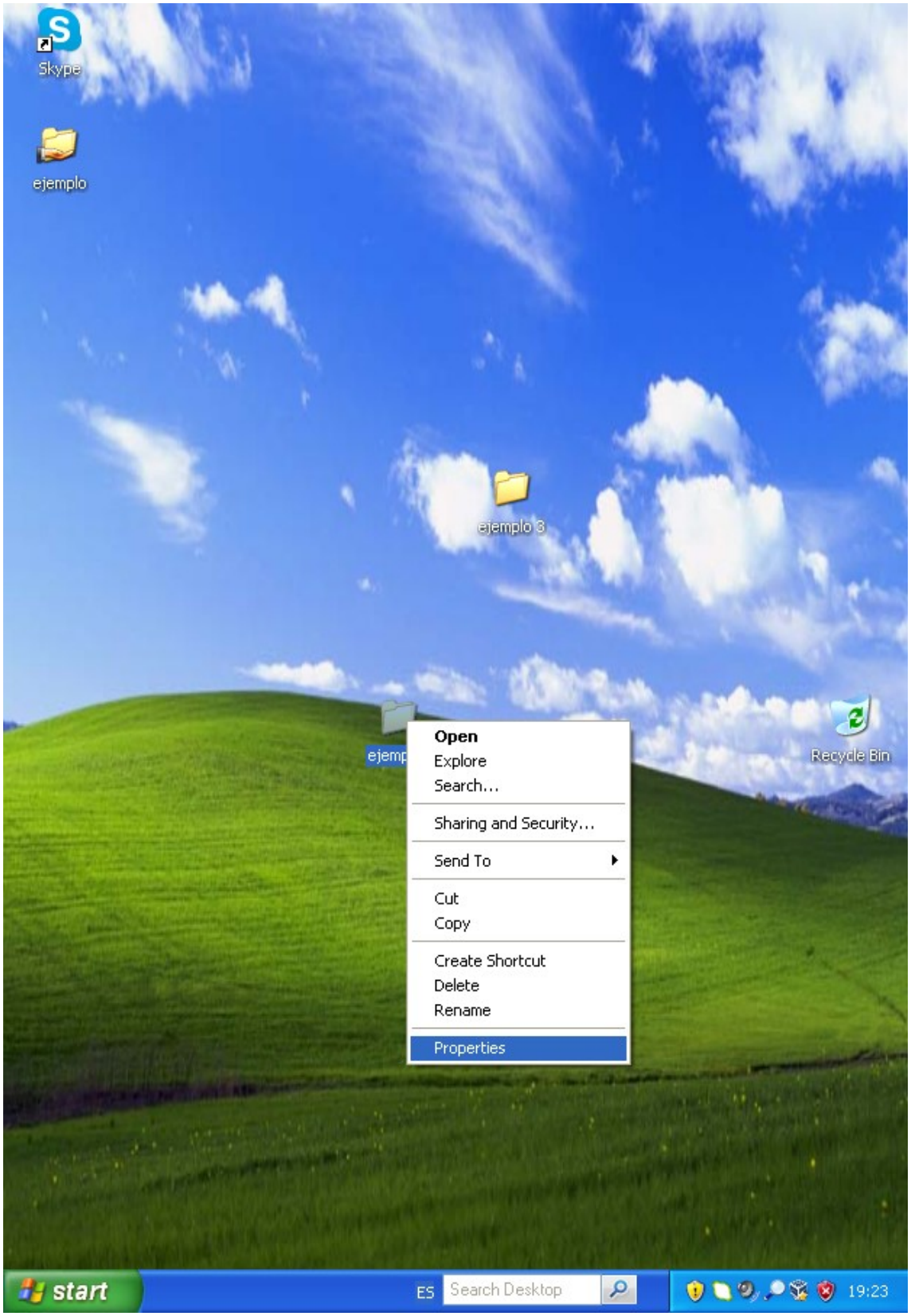

Skype
ejemplo
Arrange Icons By
Refresh
Paste
Paste Shortcut
New
Properties
Recycle Bin
start
ES
Search Desktop
19:20

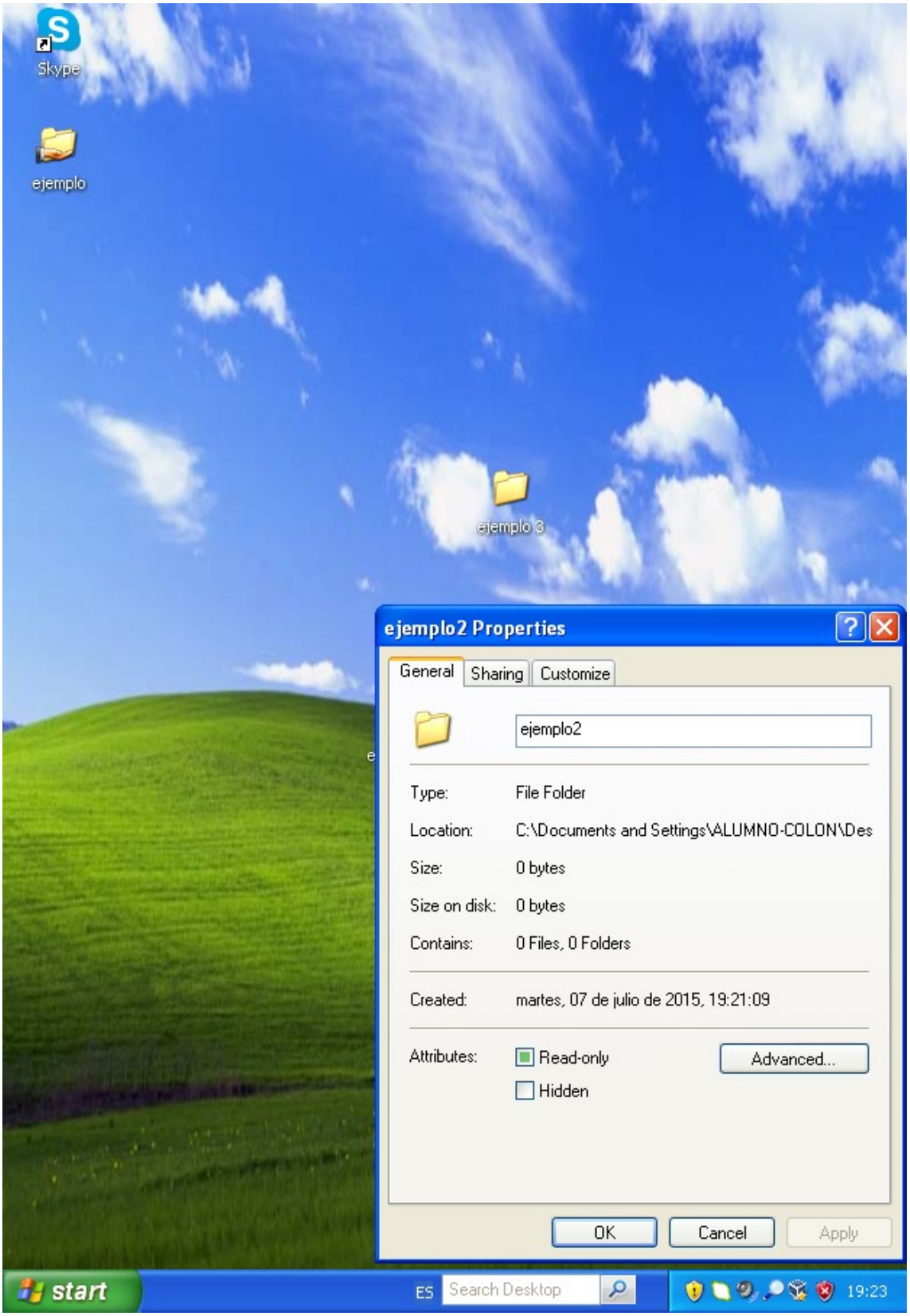

Skype
ejemplo
Recycle Bin
Arrange Icons By
Refresh
Paste
Paste Shortcut
New
Properties
Folder
Shortcut
Briefcase
Bitmap Image
Wordpad Document
Rich Text Document
Text Document
Wave Sound
Compressed (zipped) Folder
start
ES
Search Desktop
19:21

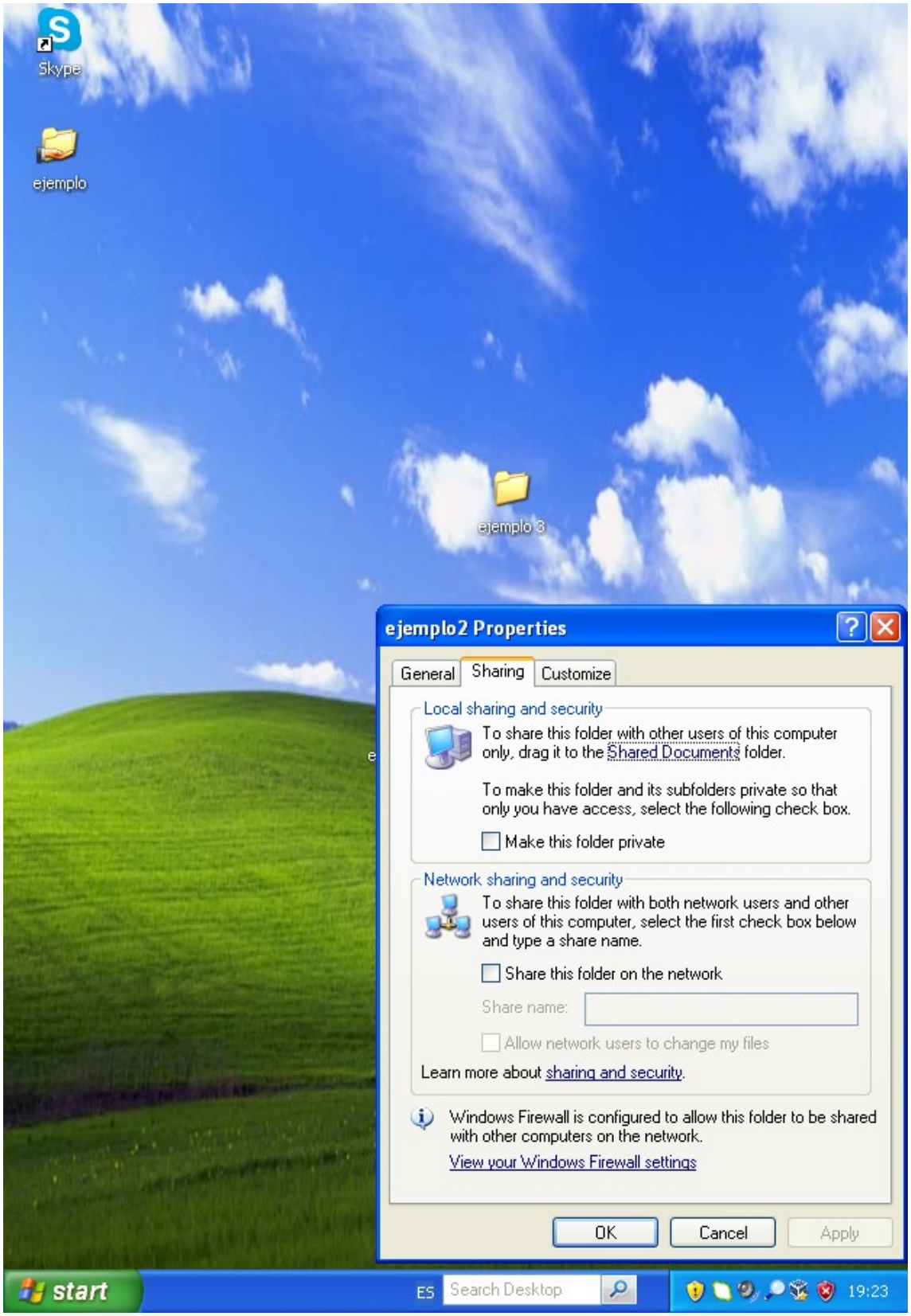
Skype
ejemplo
ejemplo2
Recycle Bin
start
ES
Search Desktop
19:21

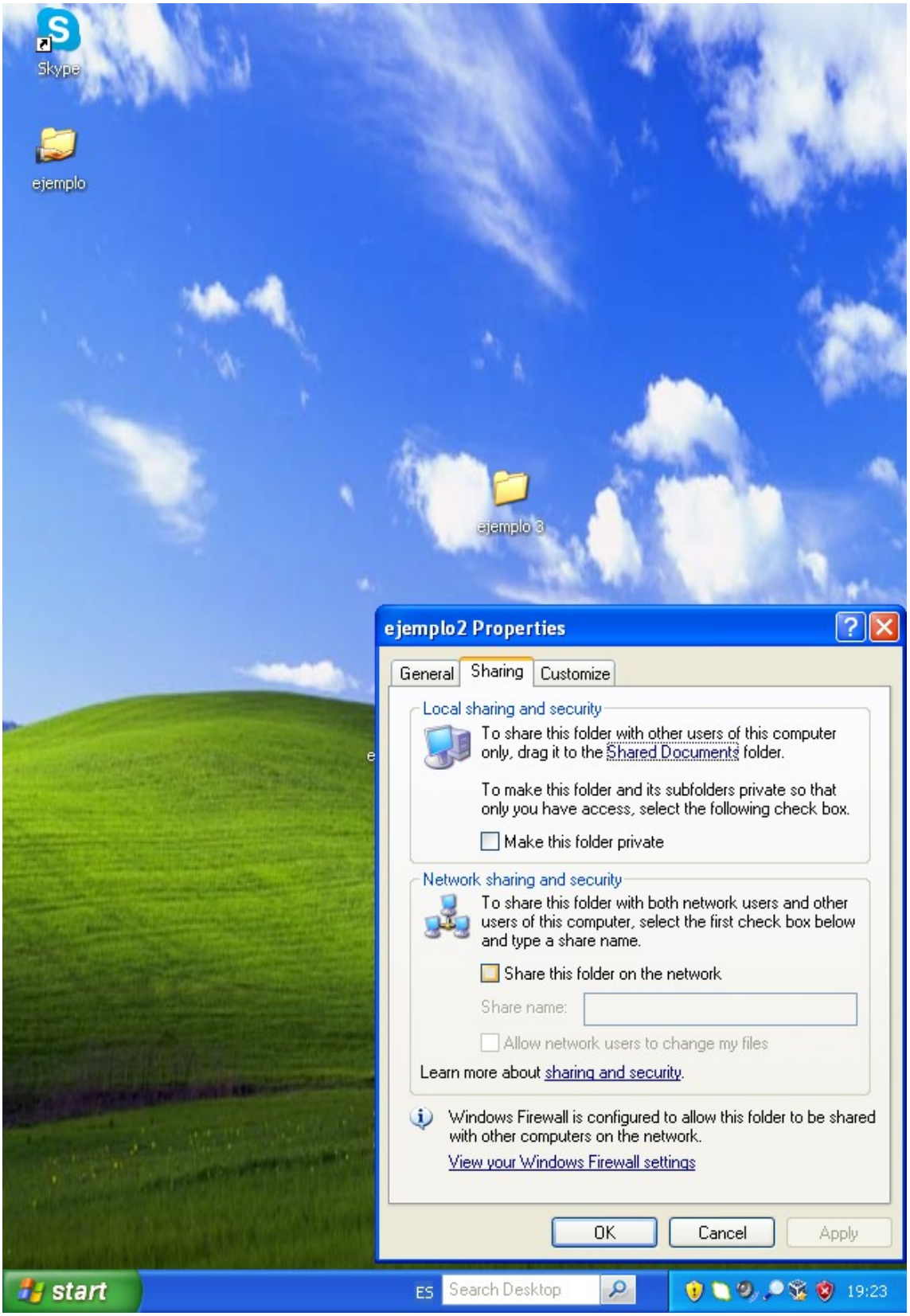

Skype
ejemplo
ejemplo 3
ejemplo2
Recycle Bin
start
ES
Search Desktop
19:21


Skype
ejemplo
ejemplo 3
ejemp
Recycle Bin
Open
Explore
Search...
Sharing and Security...
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties
start
ES
Search Desktop
19:22


Skype
ejemplo
ejemplo 3
ejemp
Recycle Bin
Open
Explore
Search...
Sharing and Security...
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties
start
ES
Search Desktop
19:23


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Customize
ejemplo2
Type: File Folder
Location: C:\Documents and Settings\ALUMNO-COLON\Des
Size: 0 bytes
Size on disk: 0 bytes
Contains: 0 Files, 0 Folders
Created: martes, 07 de julio de 2015, 19:21:09
Attributes: Read-only
Hidden
Advanced...
OK
Cancel
Apply
start
ES
Search Desktop
19:23


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
To make this folder and its subfolders private so that only you have access, select the following check box.
Make this folder private
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name:
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:23


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Customize
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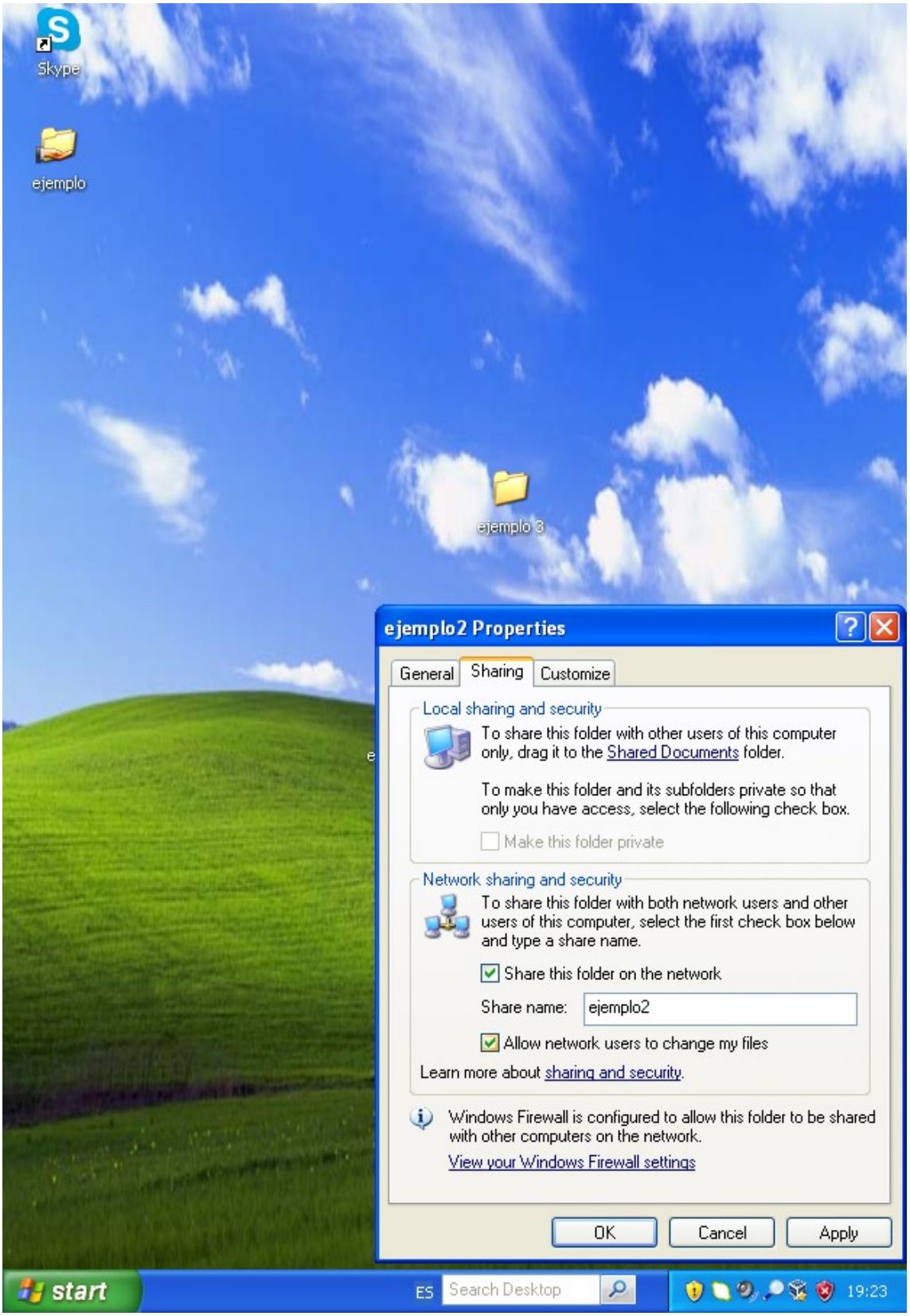
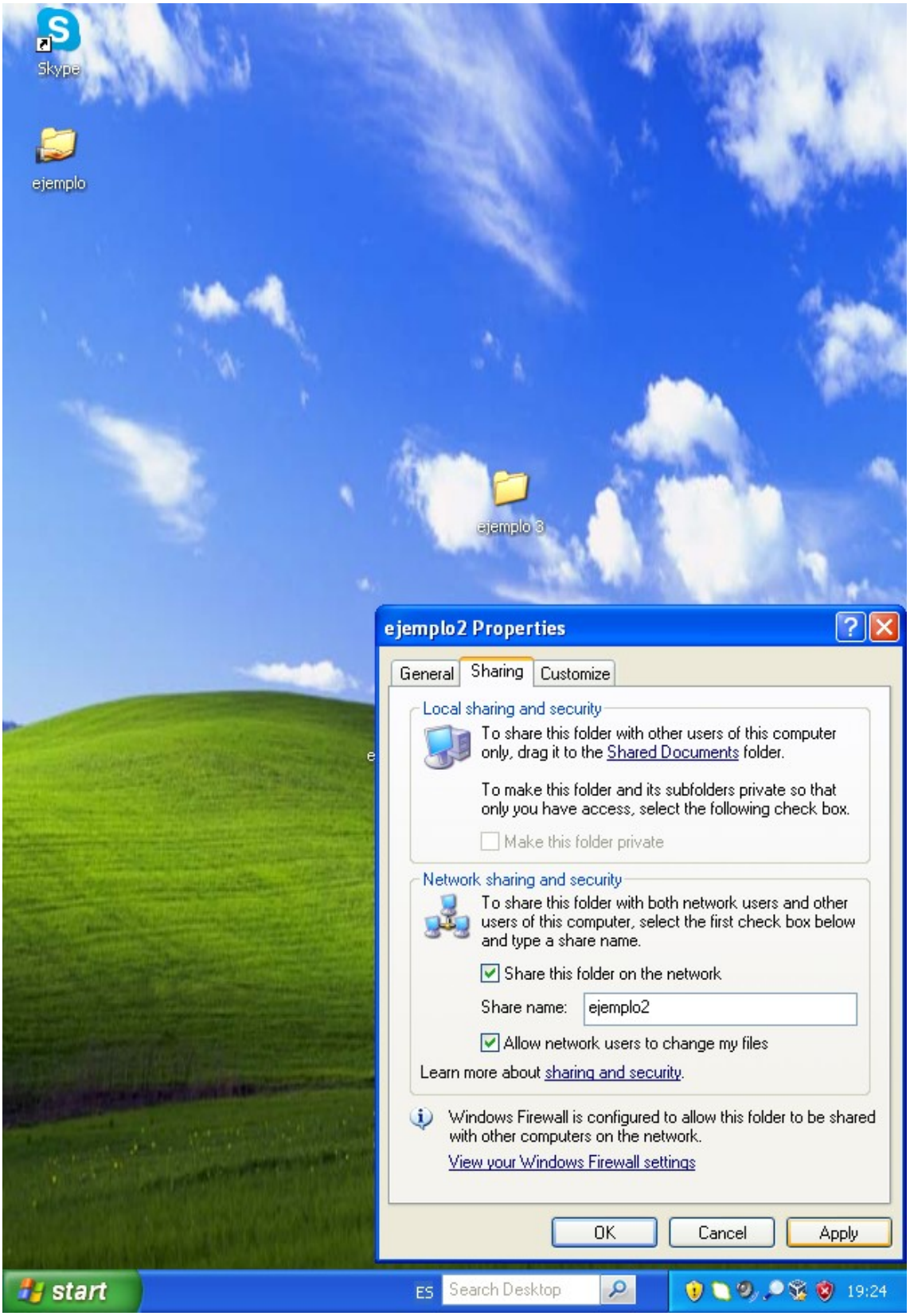
OK
Cancel
Apply
start
ES
Search Desktop
19:23


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
To make this folder and its subfolders private so that only you have access, select the following check box.
Make this folder private
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name: ejemplo2
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:23


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Customize
Local sharing and security
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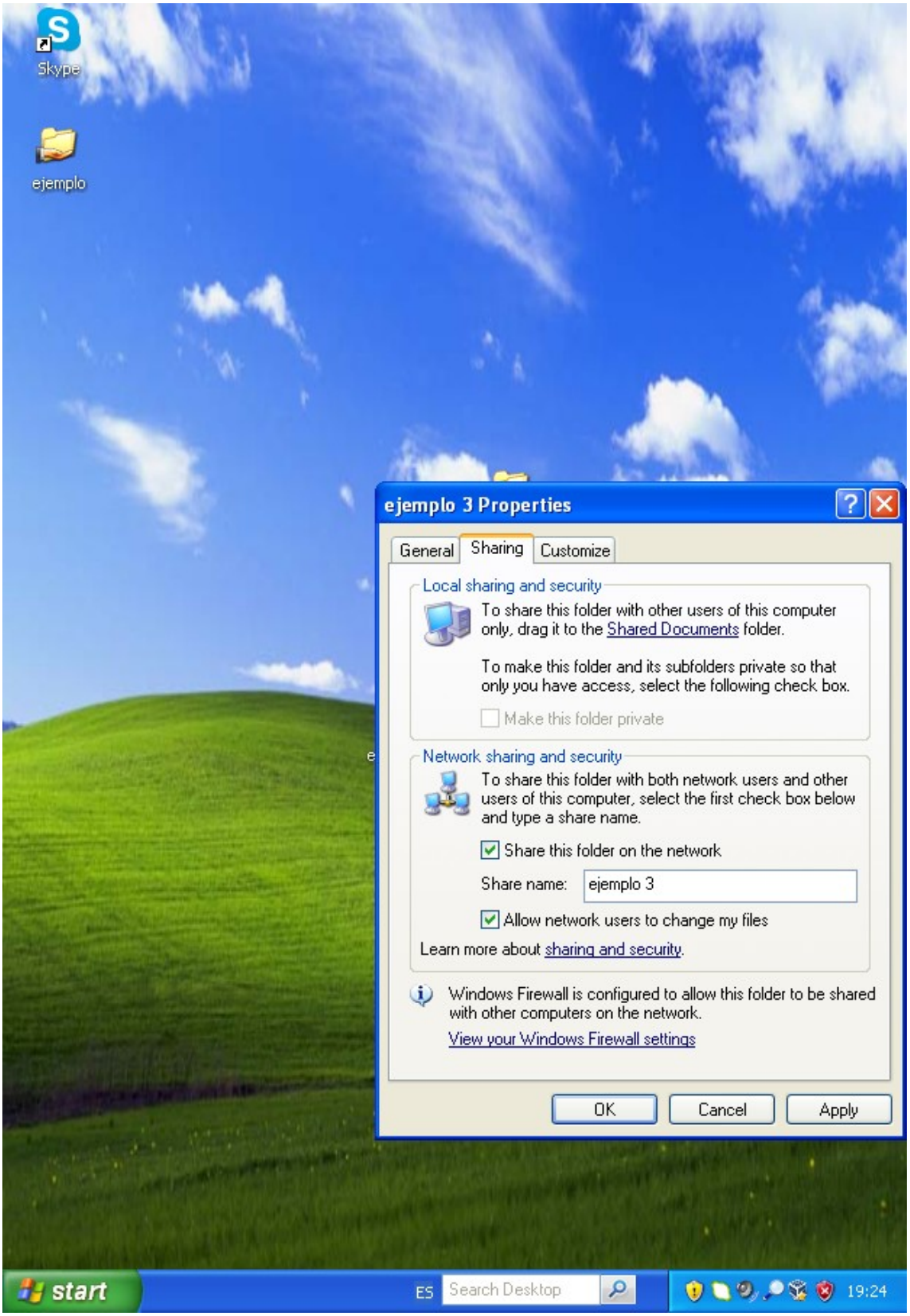
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name: ejemplo2
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:24


Skype
ejemplo
ejemplo 3 Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
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Network sharing and security
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Share this folder on the network
Share name:
ejemplo 3
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:24

Skype
ejemplo
ejemplo 3
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
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Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
19:24

Skype
ejemplo
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Recycle Bin
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My Music
My Computer
Control Panel
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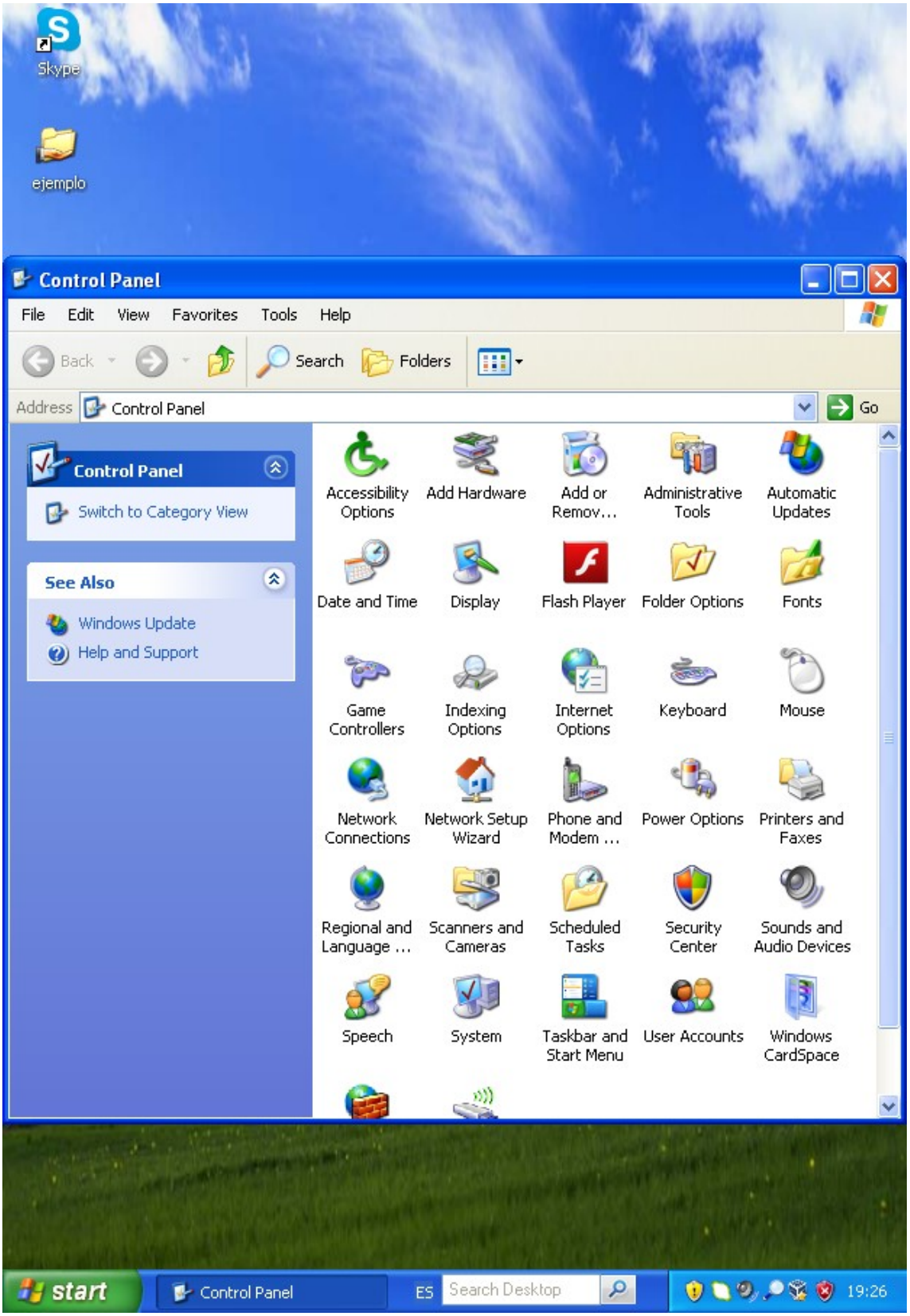
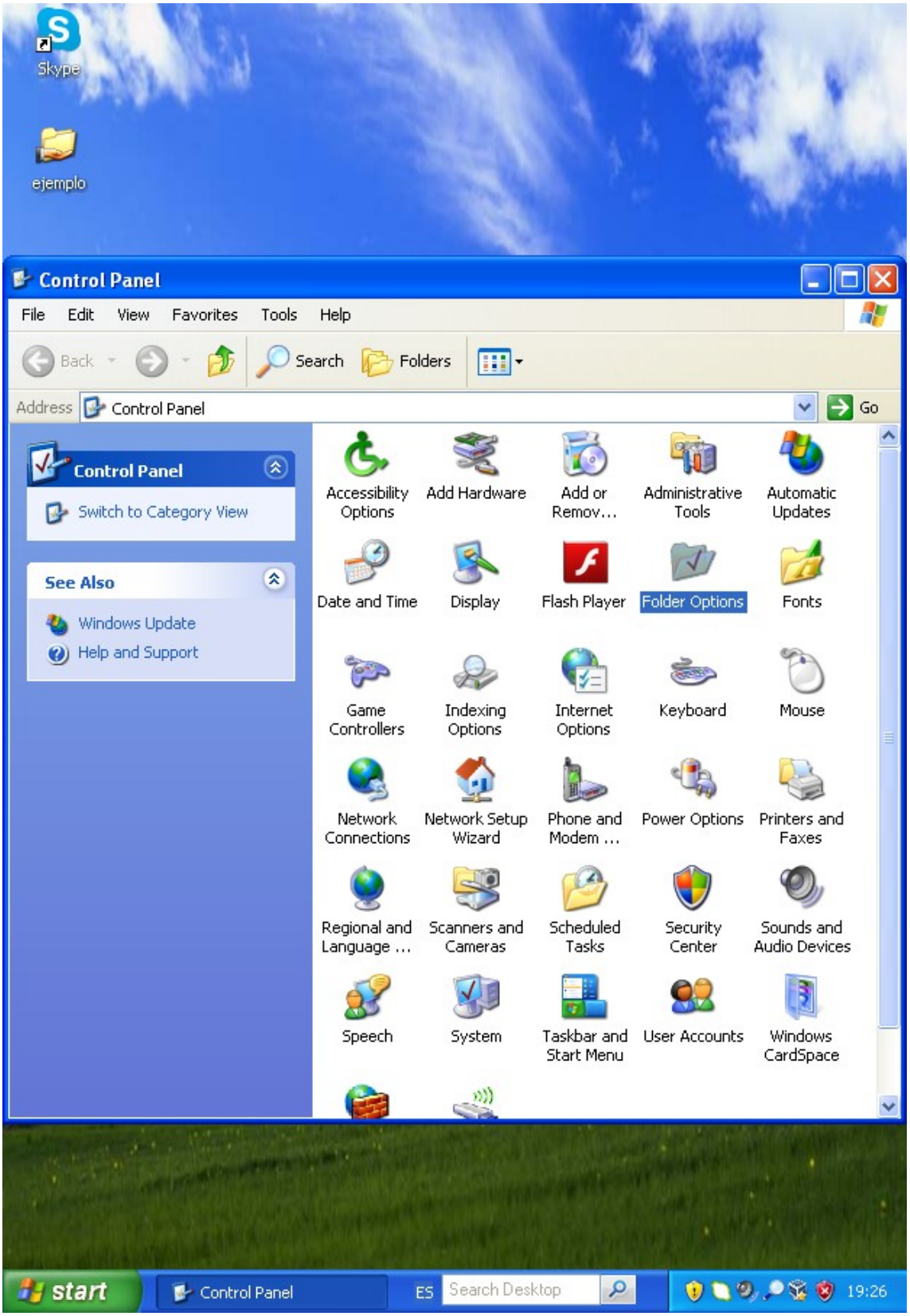
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
19:25


Skype
ejemplo
Control Panel
File Edit View Favorites Tools Help
Back
Search
Folders
Address
Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Date and Time
Display
Flash Player
Folder Options
Fonts
Game Controllers
Indexing Options
Internet Options
Keyboard
Mouse
Network Connections
Network Setup Wizard
Phone and Modem ...
Power Options
Printers and Faxes
Regional and Language ...
Scanners and Cameras
Scheduled Tasks
Security Center
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
19:26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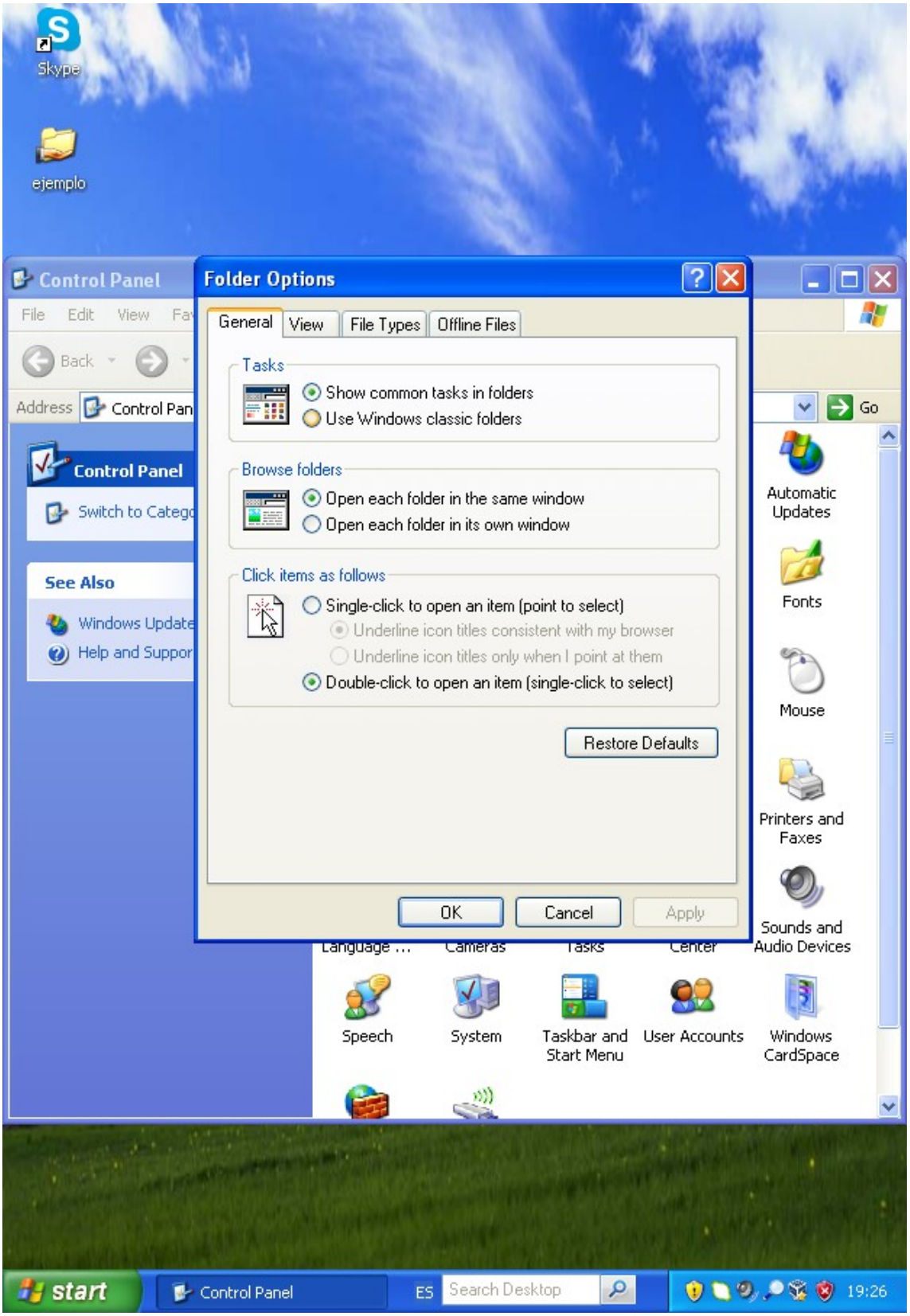
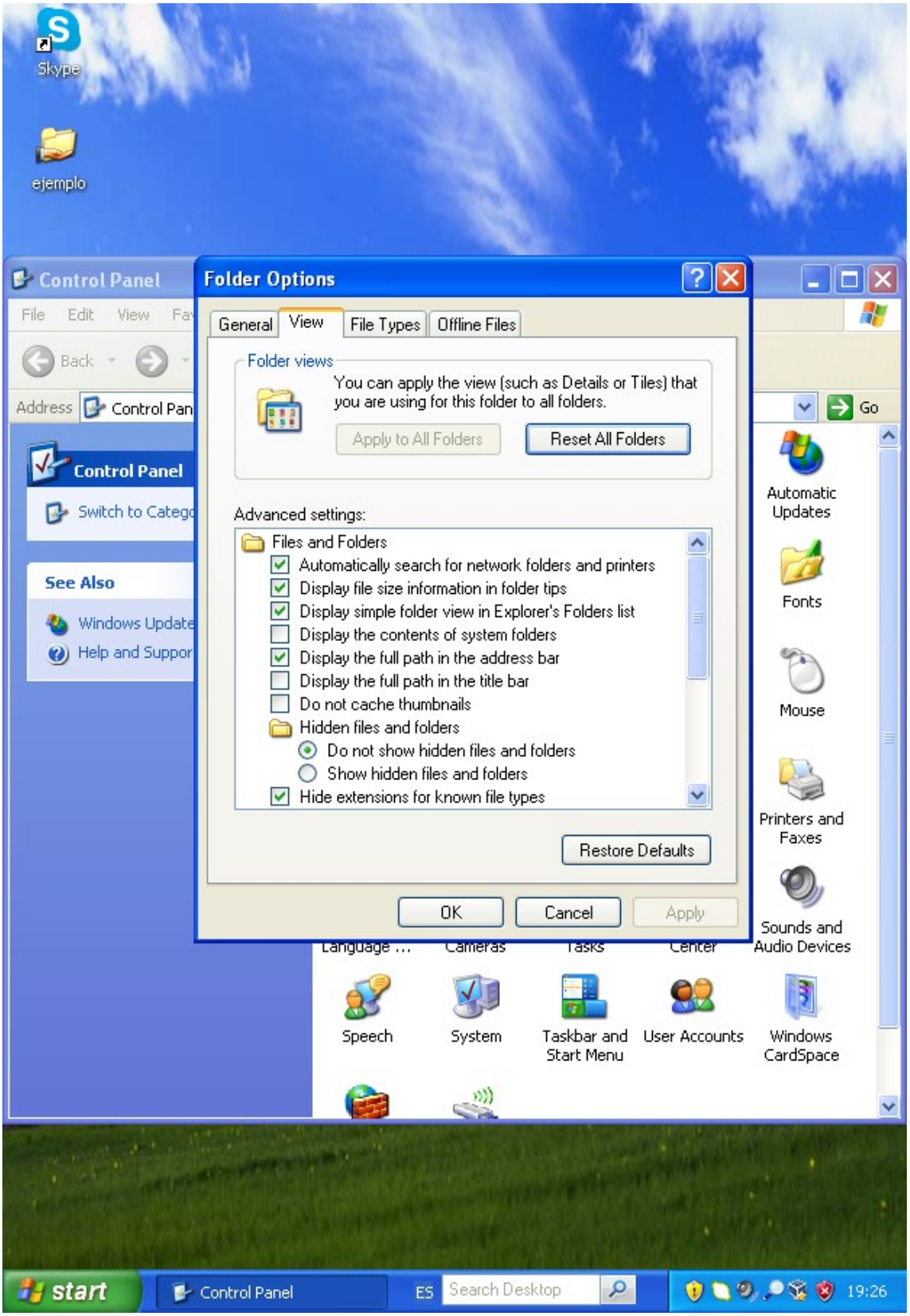

Skype
ejemplo
Control Panel
File Edit View Fav
Back
Address Control Pan
Go
Control Panel
Switch to Catego
See Also
Windows Update
Help and Suppor
Folder Options
General
View
File Types
Offline Files
Tasks
Show common tasks in folders
Use Windows classic folders
Browse folders
Open each folder in the same window
Open each folder in its own window
Click items as follows
Single-click to open an item (point to select)
Underline icon titles consistent with my browser
Underline icon titles only when I point at them
Double-click to open an item (single-click to select)
Restore Defaults
OK
Cancel
Apply
Automatic Updates
Fonts
Mouse
Printers and Faxes
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
19:26


Skype
ejemplo
Control Panel
File Edit View Fav
Back
Address Control Pan
Go
Control Panel
Switch to Categ
See Also
Windows Update
Help and Suppor
Folder Options
General View File Types Offline Files
Folder views
You can apply the view (such as Details or Tiles) that you are using for this folder to all folders.
Apply to All Folders
Reset All Folders
Advanced settings:
Files and Folders
Automatically search for network folders and printers
Display file size information in folder tips
Display simple folder view in Explorer's Folders list
Display the contents of system folders
Display the full path in the address bar
Display the full path in the title bar
Do not cache thumbnails
Hidden files and folders
Do not show hidden files and folders
Show hidden files and folders
Hide extensions for known file types
Restore Defaults
OK
Cancel
Apply
Automatic Updates
Fonts
Mouse
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Taskbar and Start Menu
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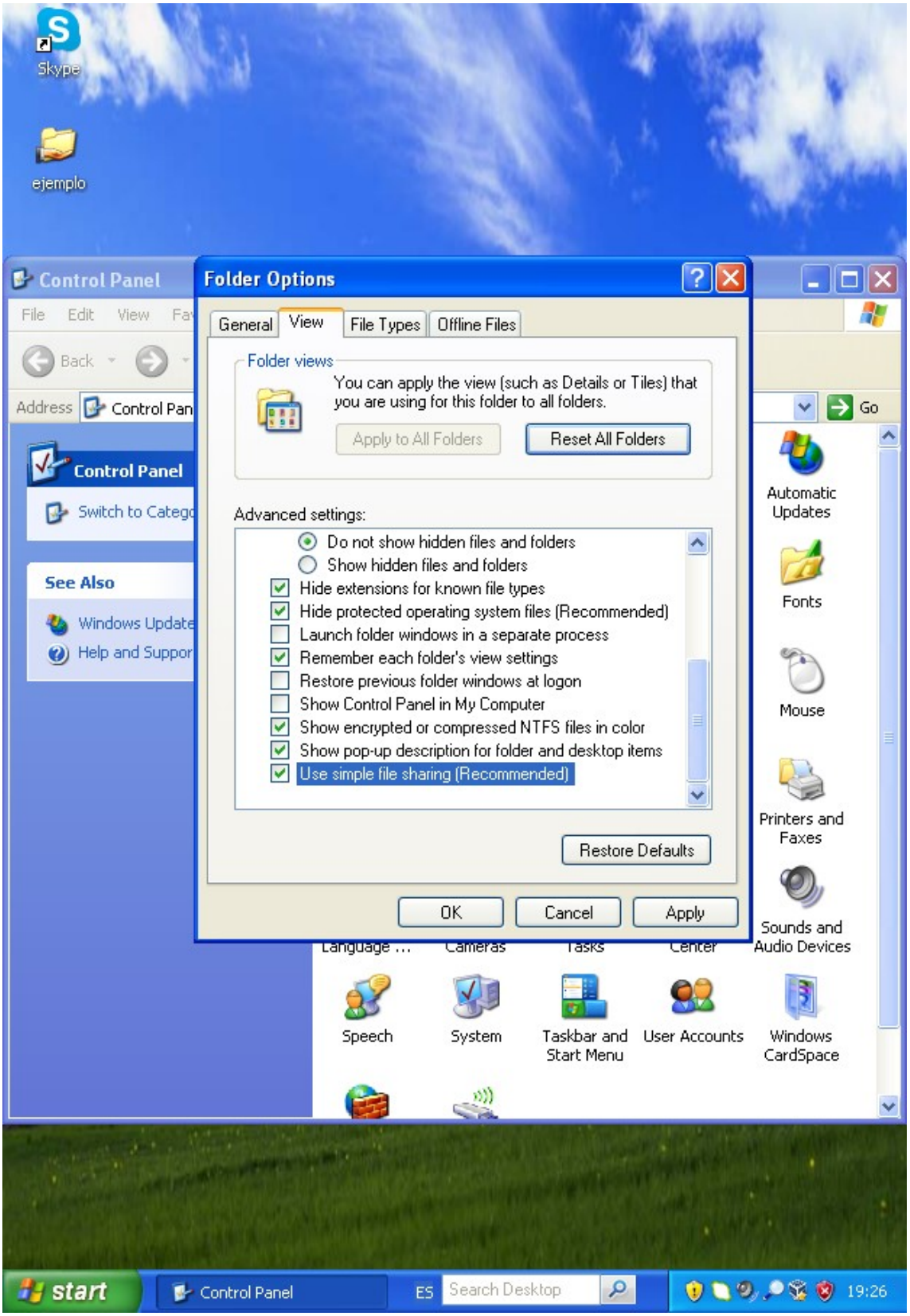
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Apply to All Folders
Reset All Folders
Advanced settings:
Do not show hidden files and folders
Show hidden files and folders
Hide extensions for known file types
Hide protected operating system files (Recommended)
Launch folder windows in a separate process
Remember each folder's view settings
Restore previous folder windows at logon
Show Control Panel in My Computer
Show encrypted or compressed NTFS files in color
Show pop-up description for folder and desktop items
Use simple file sharing (Recommended)
Restore Defaults
OK
Cancel
Apply
Automatic Updates
Fonts
Mouse
Printers and Faxes
Sounds and Audio Devices
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User Accounts
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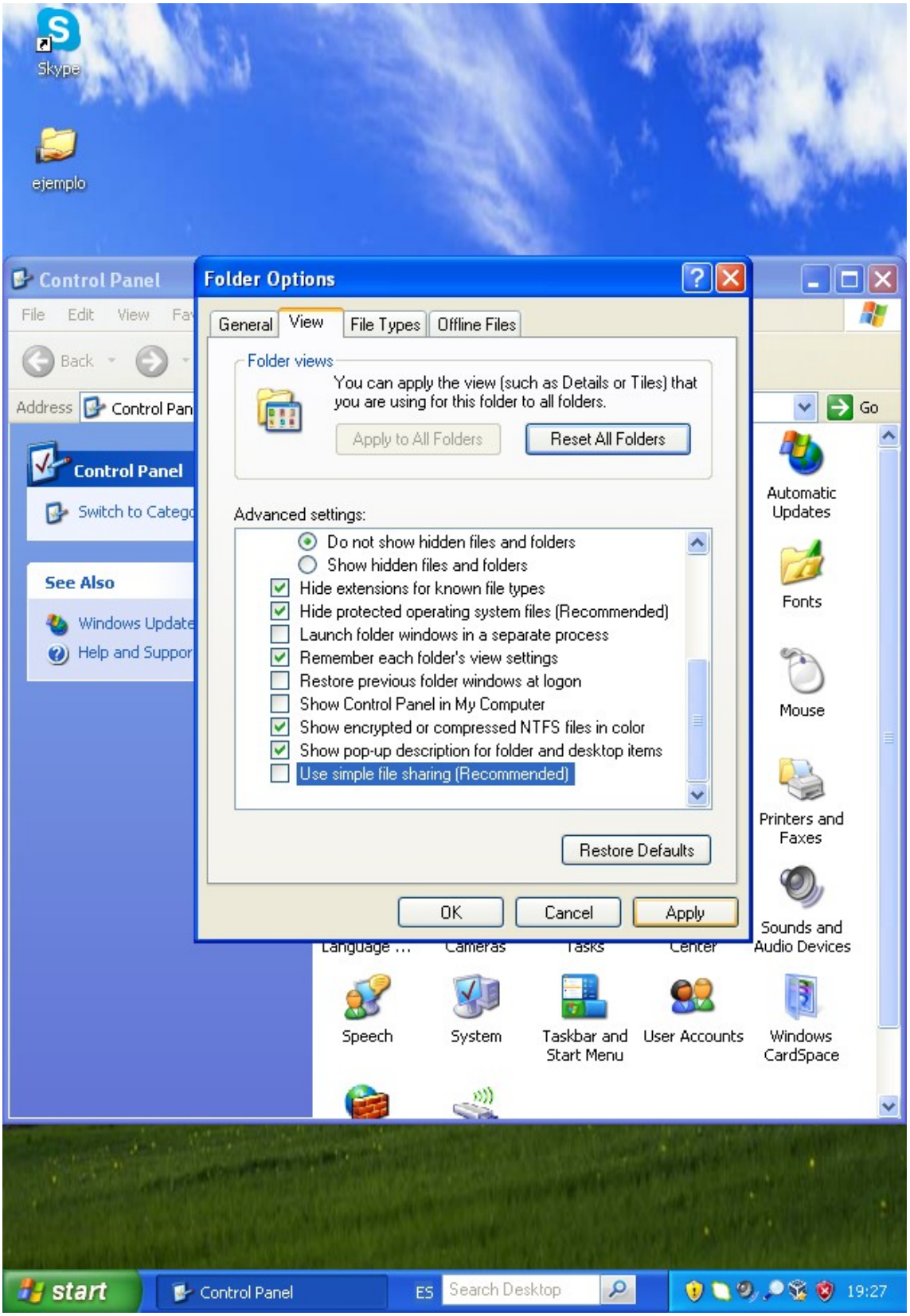
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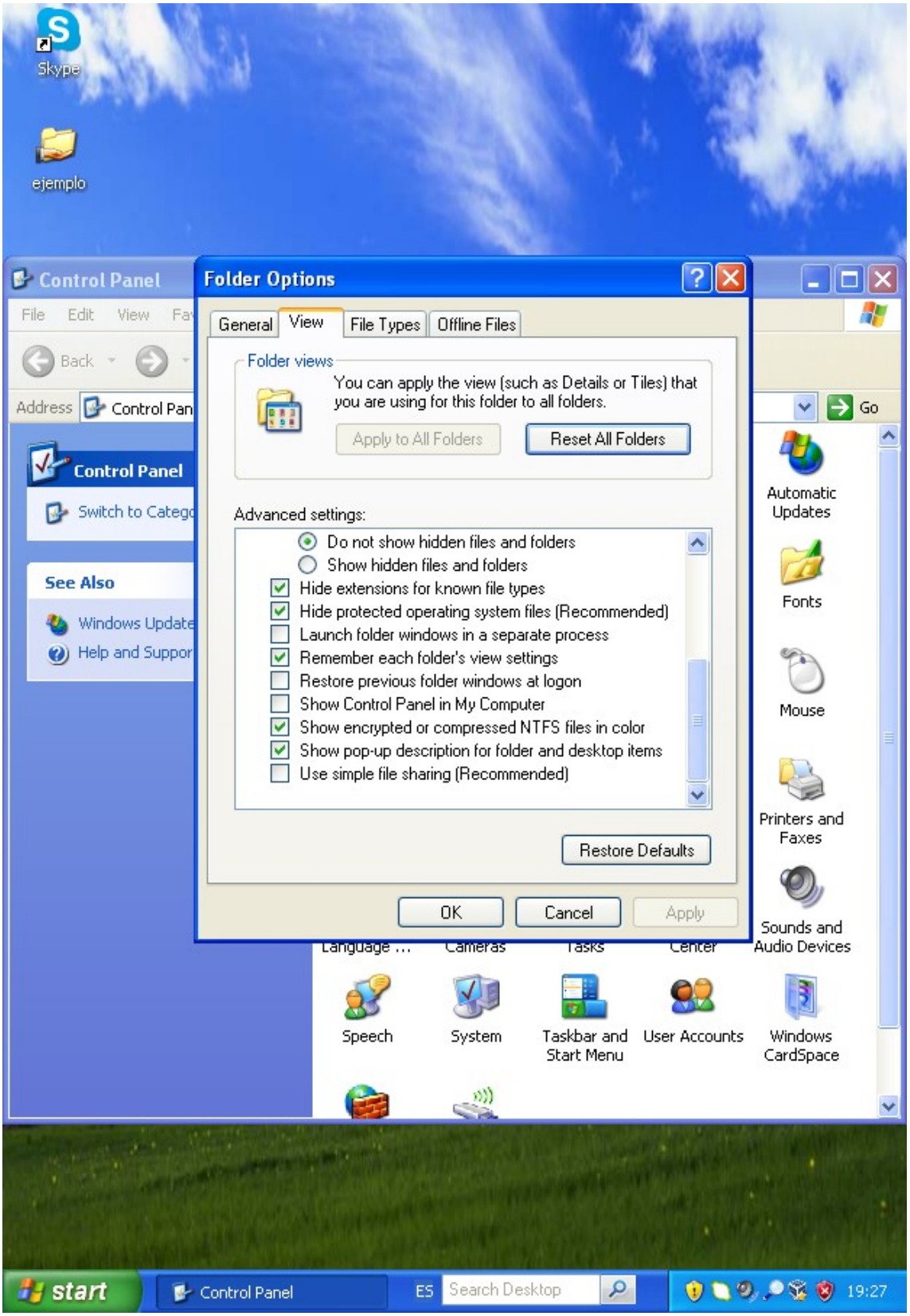
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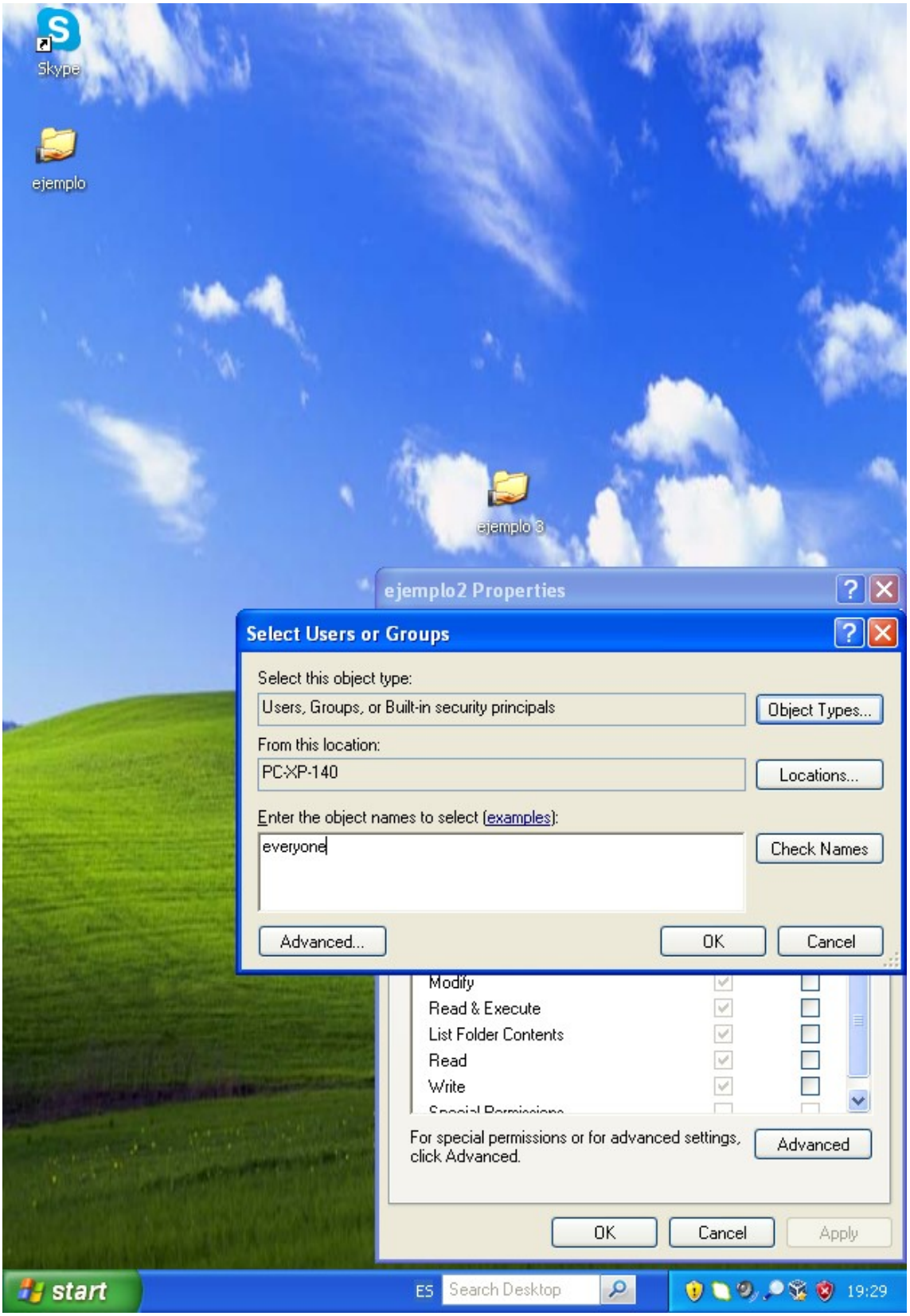
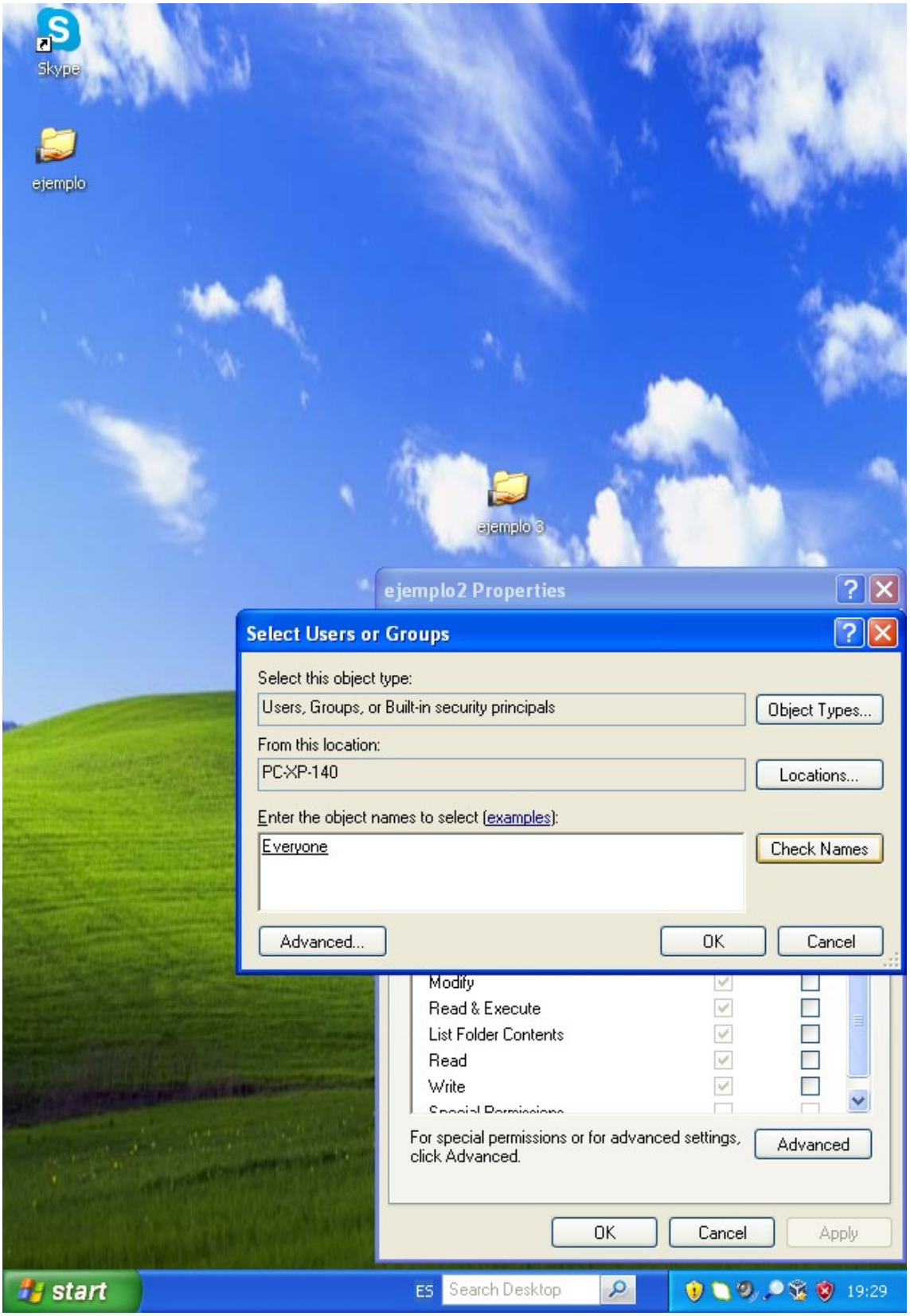
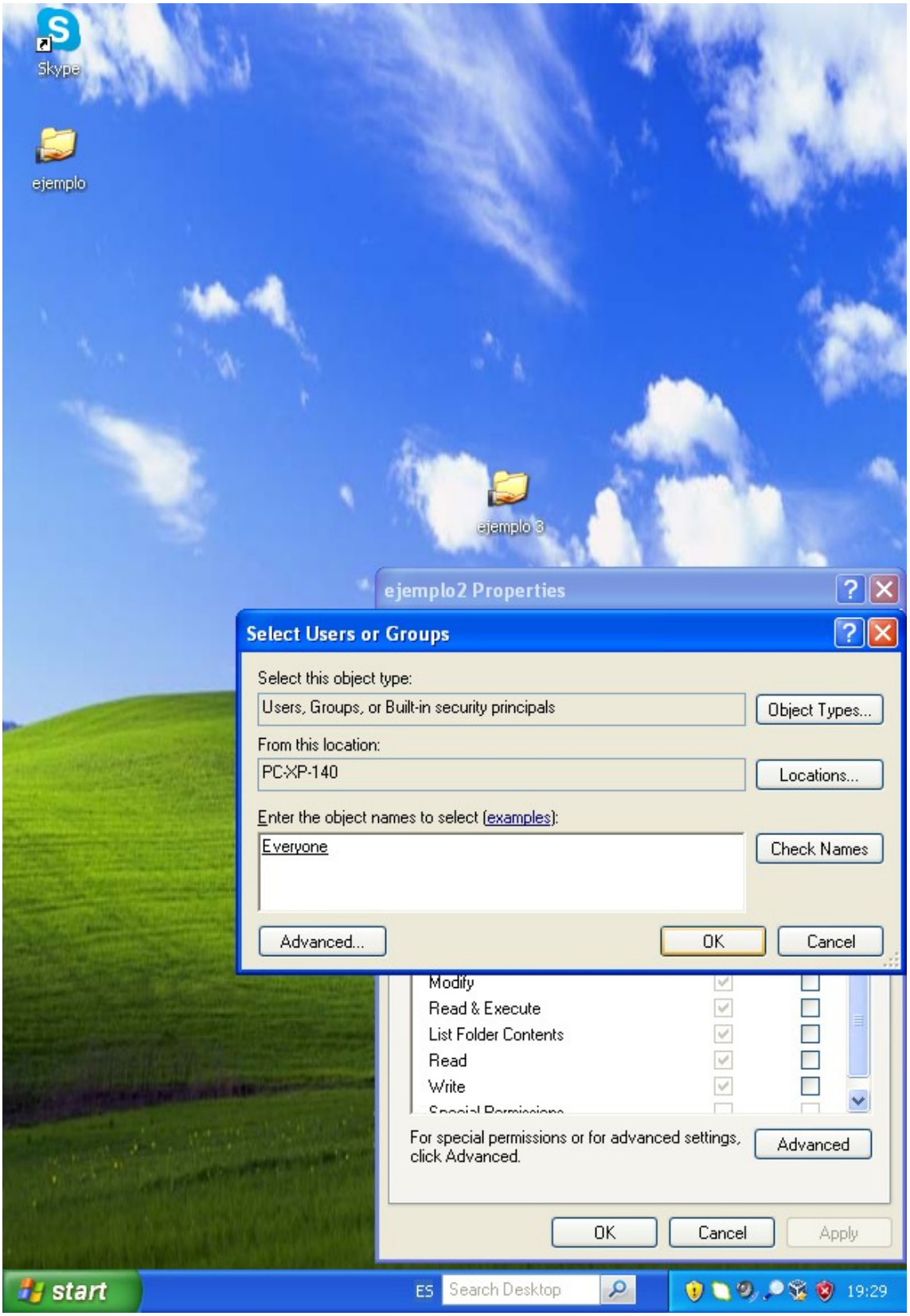
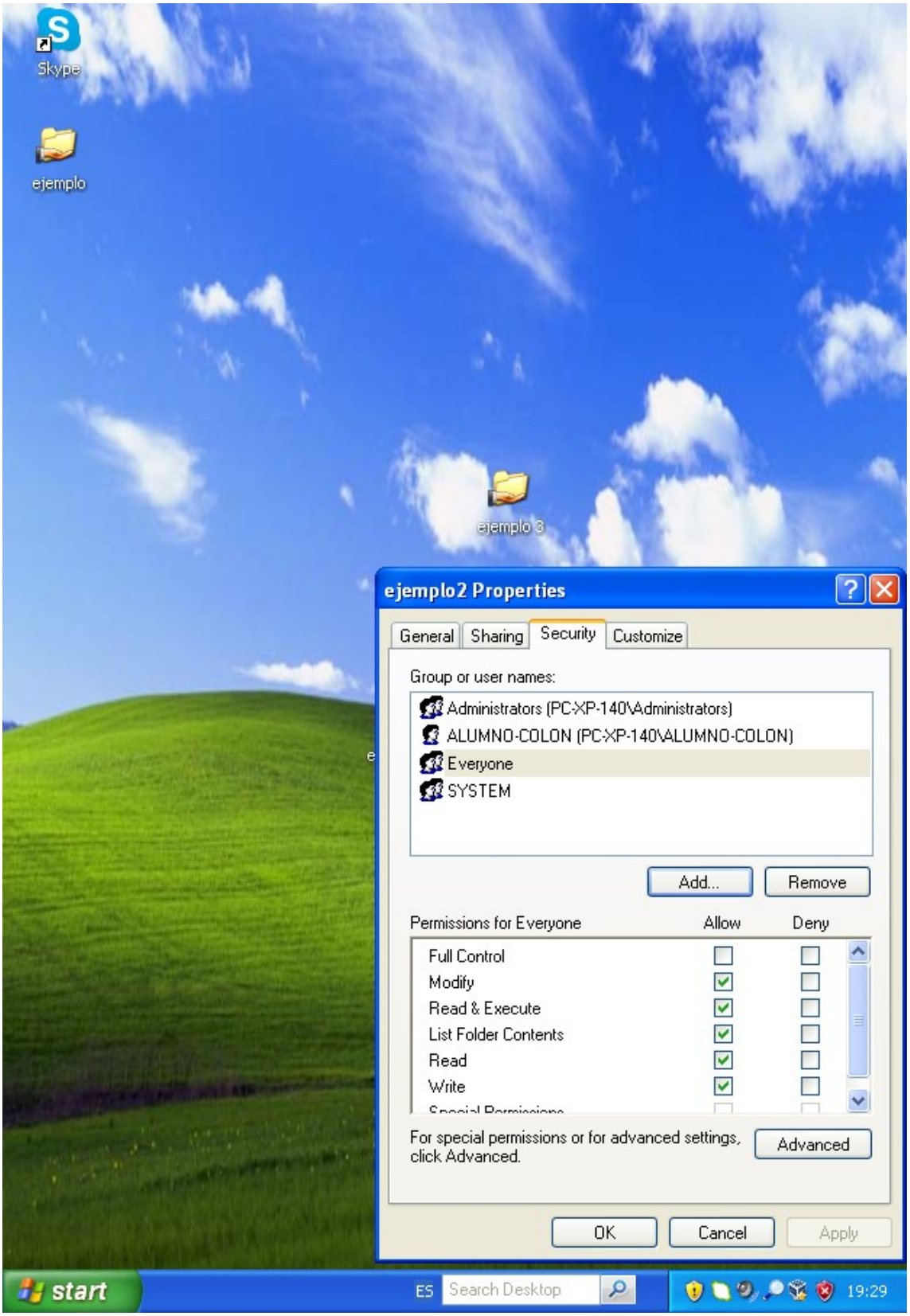
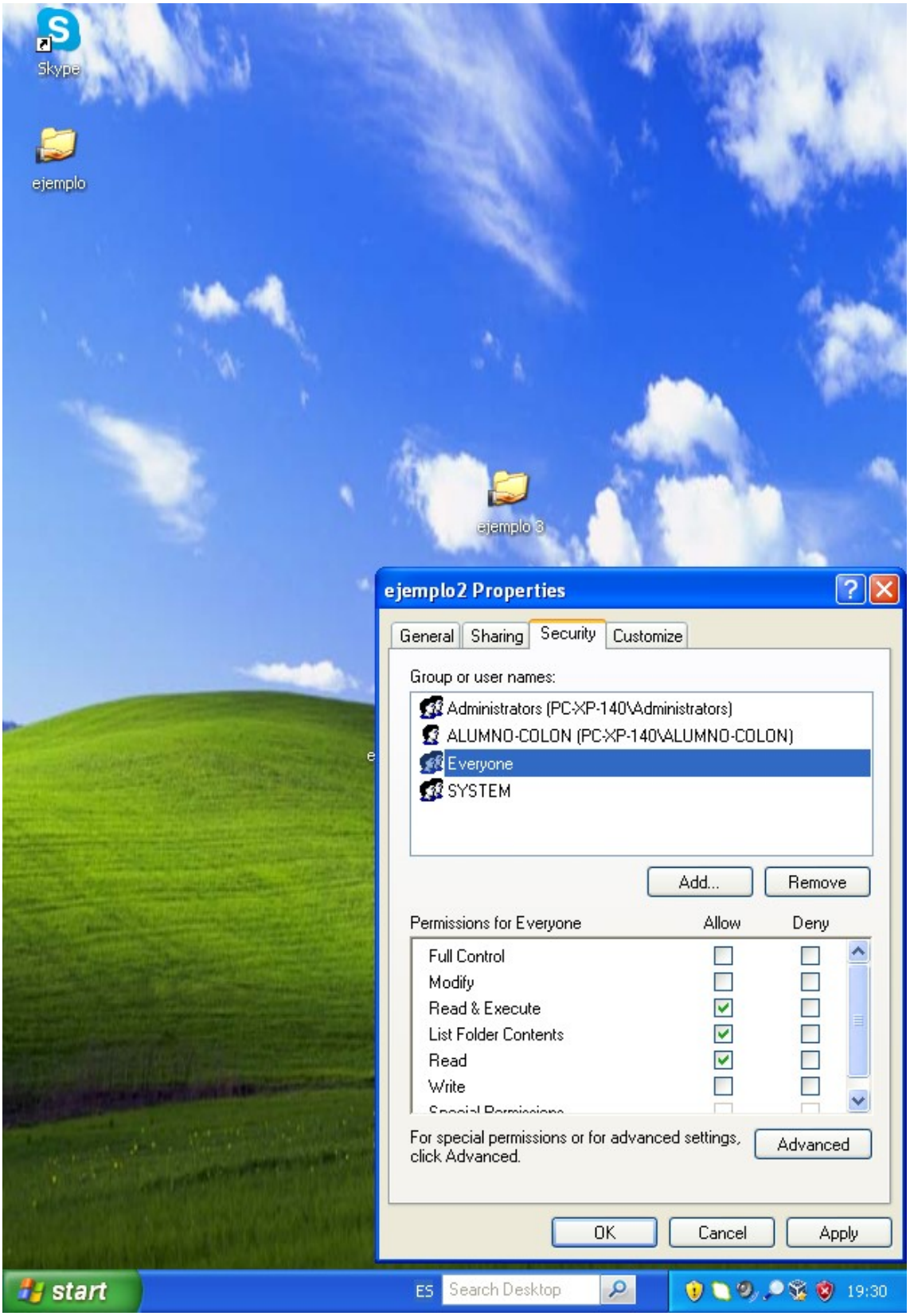
Folder views
You can apply the view (such as Details or Tiles) that you are using for this folder to all folders.
Apply to All Folders
Reset All Folders
Advanced settings:
Do not show hidden files and folders
Show hidden files and folders
Hide extensions for known file types
Hide protected operating system files (Recommended)
Launch folder windows in a separate process
Remember each folder's view settings
Restore previous folder windows at logon
Show Control Panel in My Computer
Show encrypted or compressed NTFS files in color
Show pop-up description for folder and desktop items
Use simple file sharing (Recommended)
Restore Defaults
OK
Cancel
Apply
Automatic Updates
Fonts
Mouse
Printers and Faxes
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
19:27

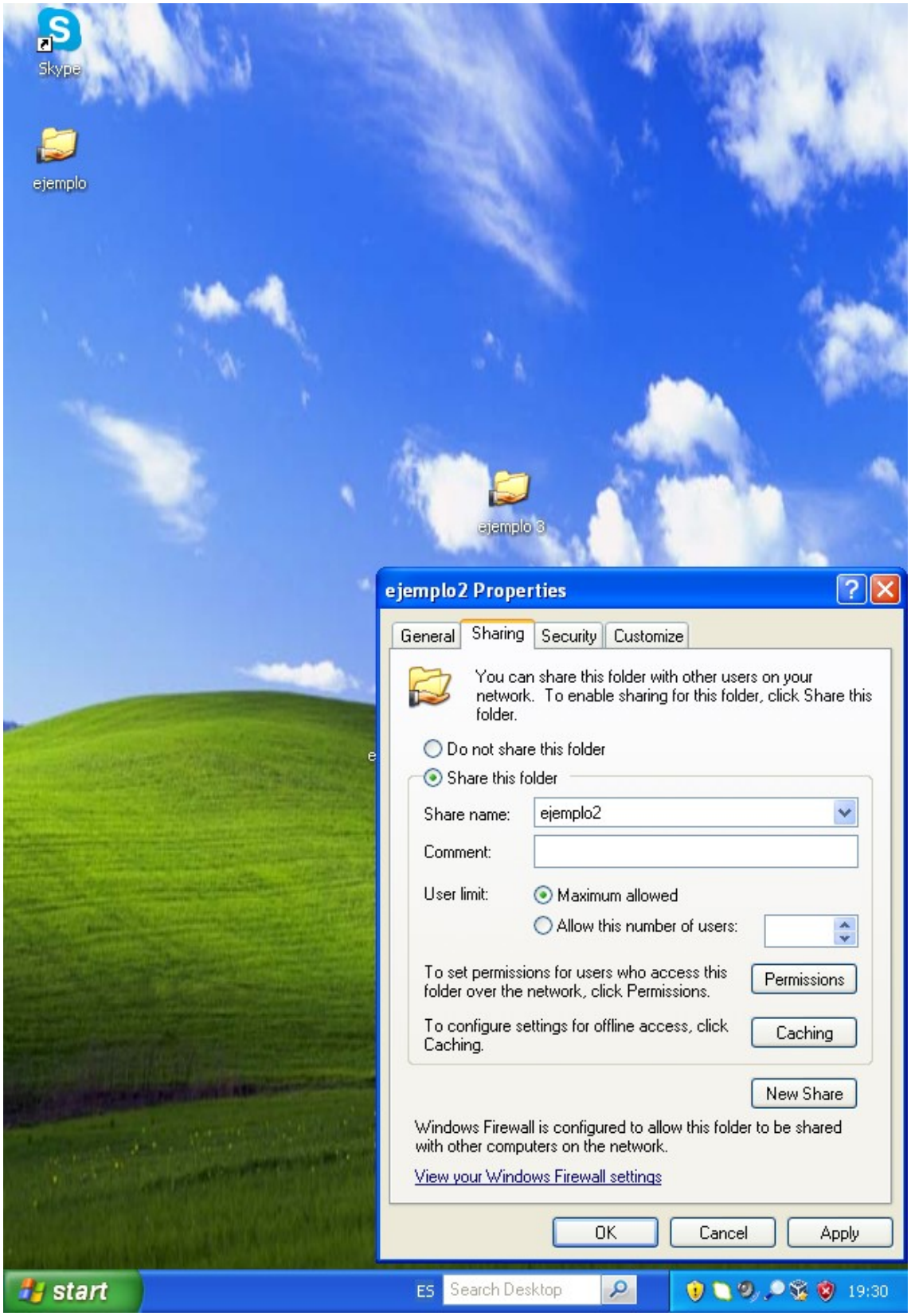

Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Select Users or Groups
Select this object type:
Users, Groups, or Built-in security principals
Object Types...
From this location:
PC-XP-140
Locations...
Enter the object names to select (examples):
everyone
Check Names
Advanced...
OK
Cancel
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:29

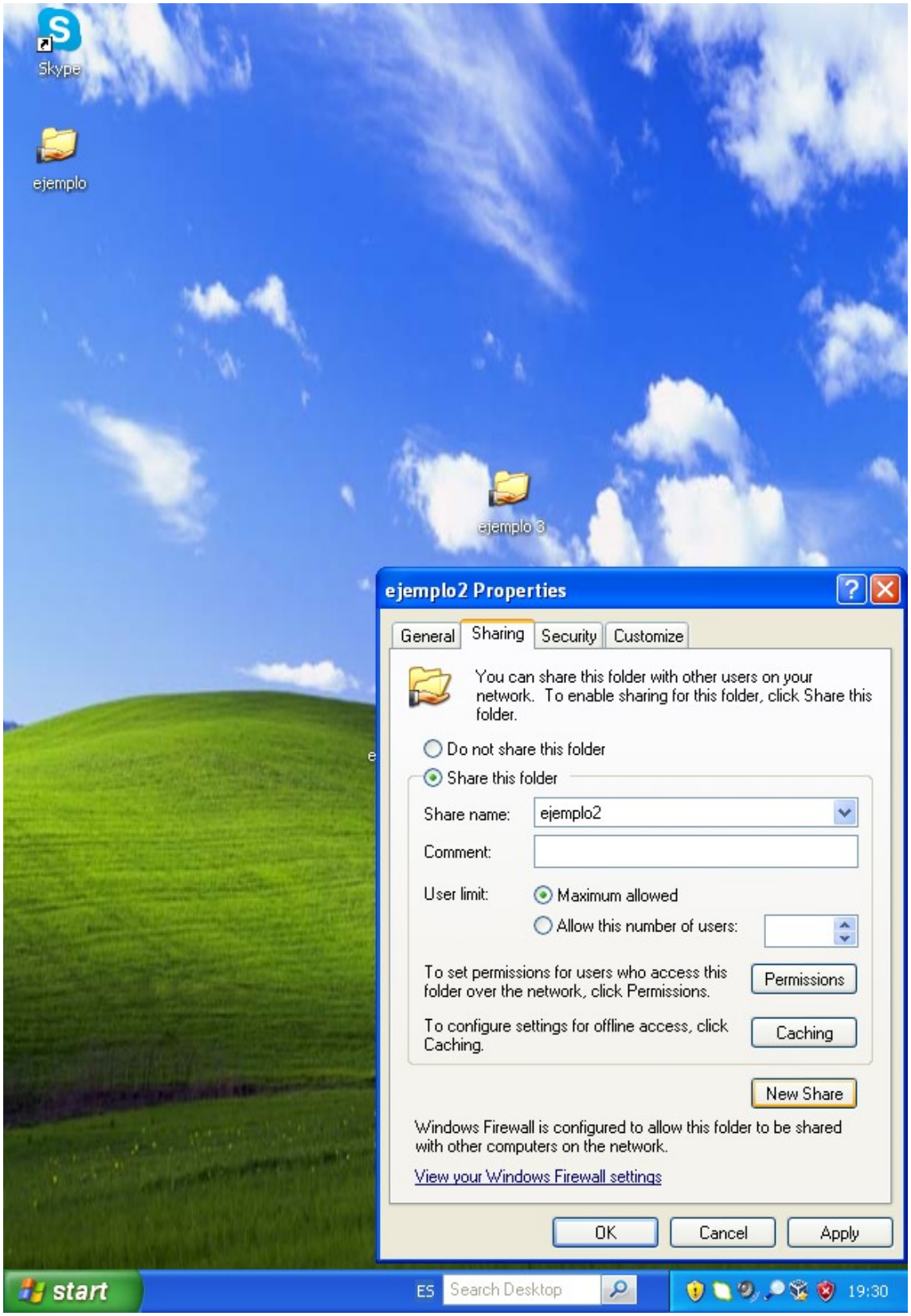

Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Select Users or Groups
Select this object type:
Users, Groups, or Built-in security principals
Object Types...
From this location:
PC-XP-140
Locations...
Enter the object names to select (examples):
Everyone
Check Names
Advanced...
OK
Cancel
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:29


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Select Users or Groups
Select this object type:
Users, Groups, or Built-in security principals
Object Types...
From this location:
PC-XP-140
Locations...
Enter the object names to select (examples):
Everyone
Check Names
Advanced...
OK
Cancel
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:29


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
Group or user names:
Administrators (PC-XP-140\Administrators)
ALUMNO-COLON (PC-XP-140\ALUMNO-COLON)
Everyone
SYSTEM
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:29


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
Group or user names:
Administrators (PC-XP-140\Administrators)
ALUMNO-COLON (PC-XP-140\ALUMNO-COLON)
Everyone
SYSTEM
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:30


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.
Do not share this folder
Share this folder
Share name:
ejemplo2
Comment:
User limit:
Maximum allowed
Allow this number of users:
To set permissions for users who access this folder over the network, click Permissions.
Permissions
To configure settings for offline access, click Caching.
Caching
New Share
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:30


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.
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Comment:
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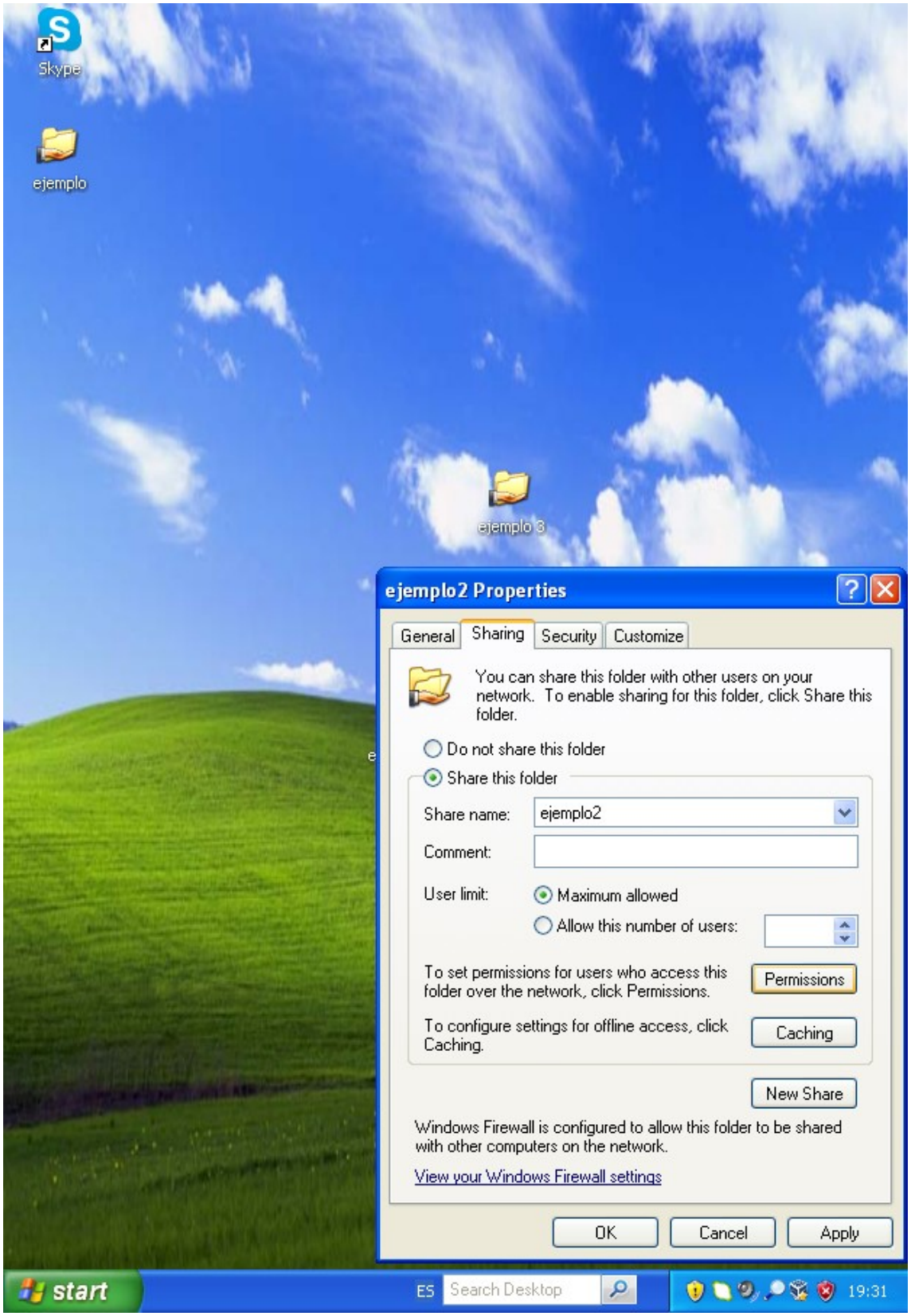
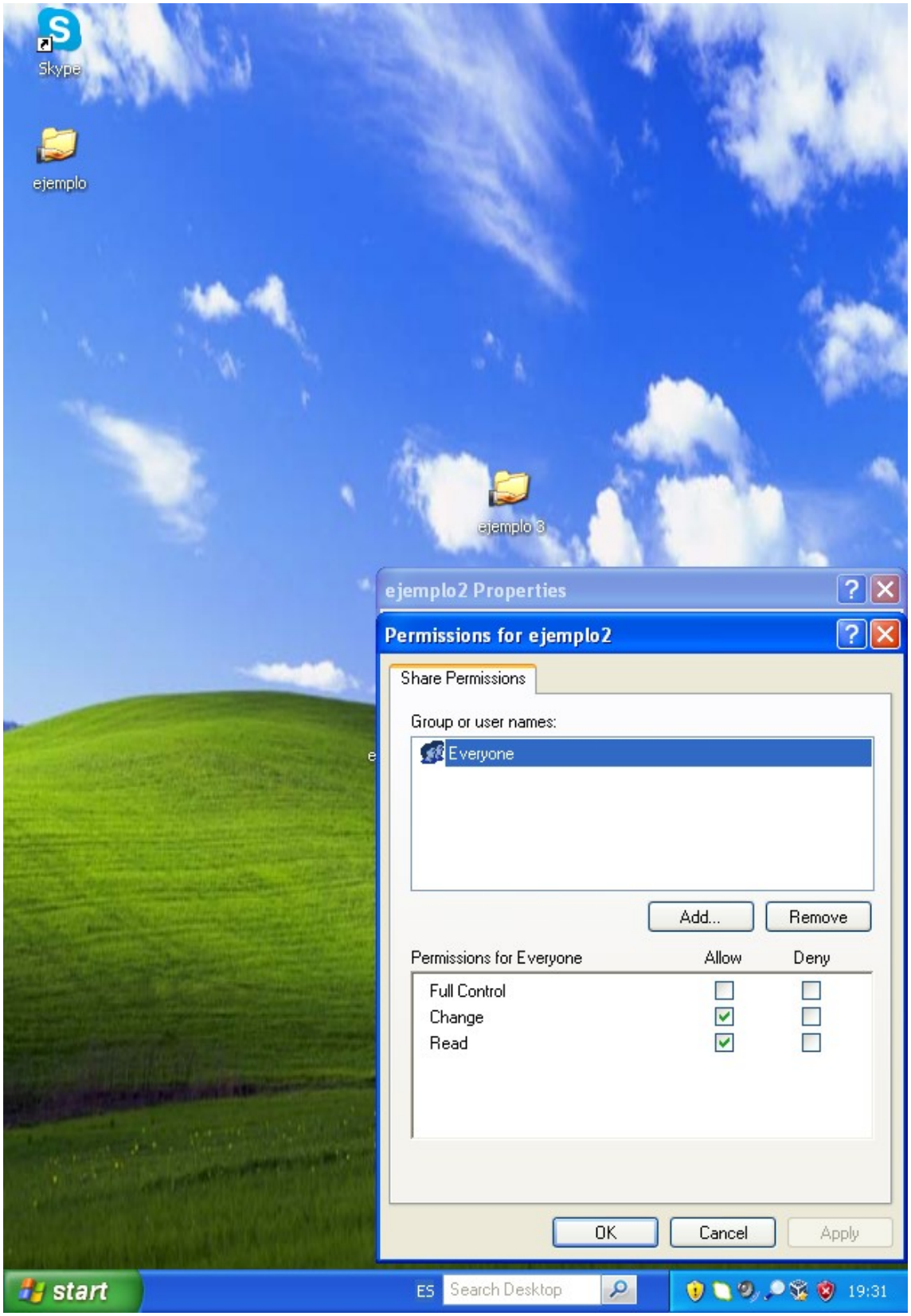
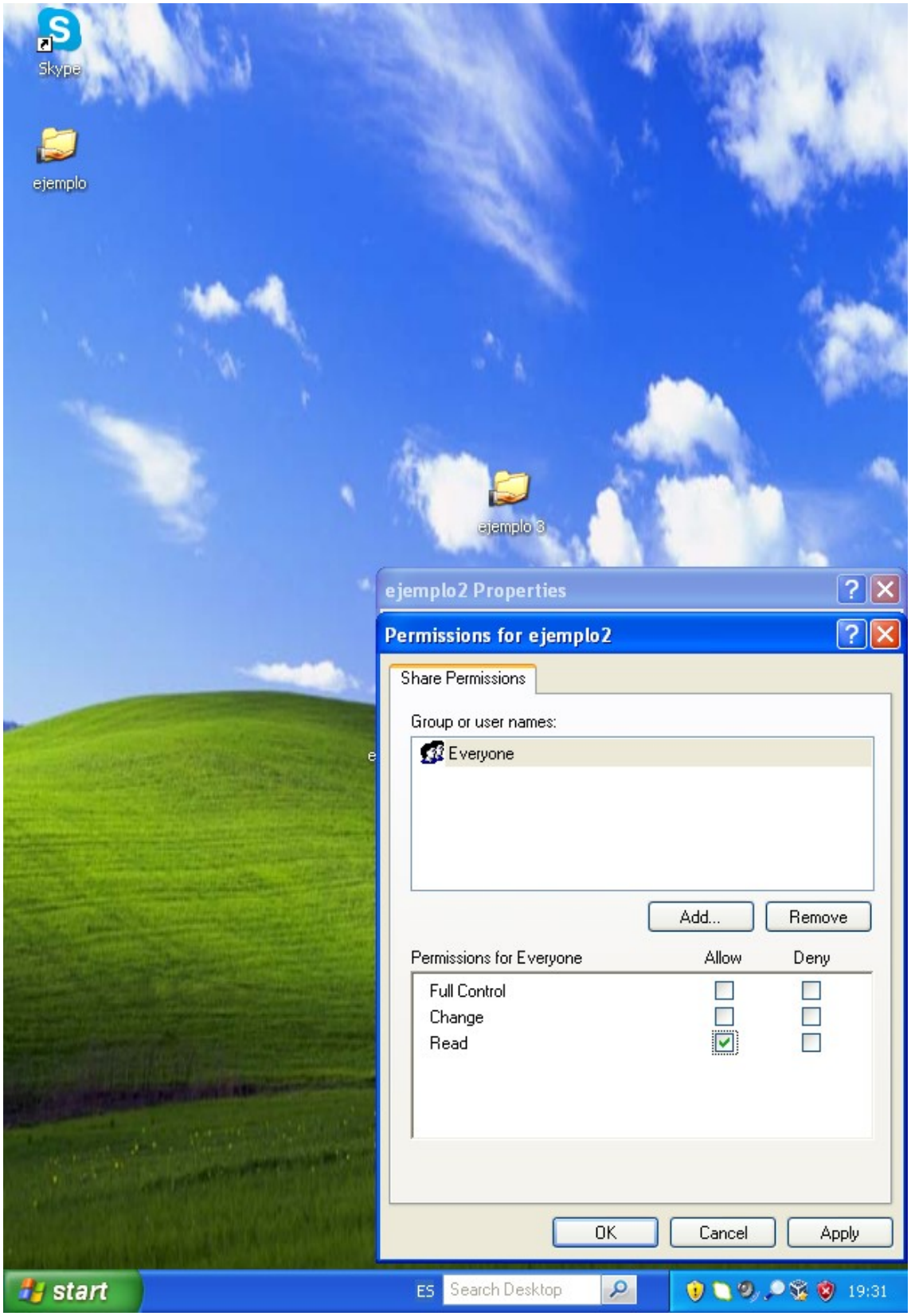
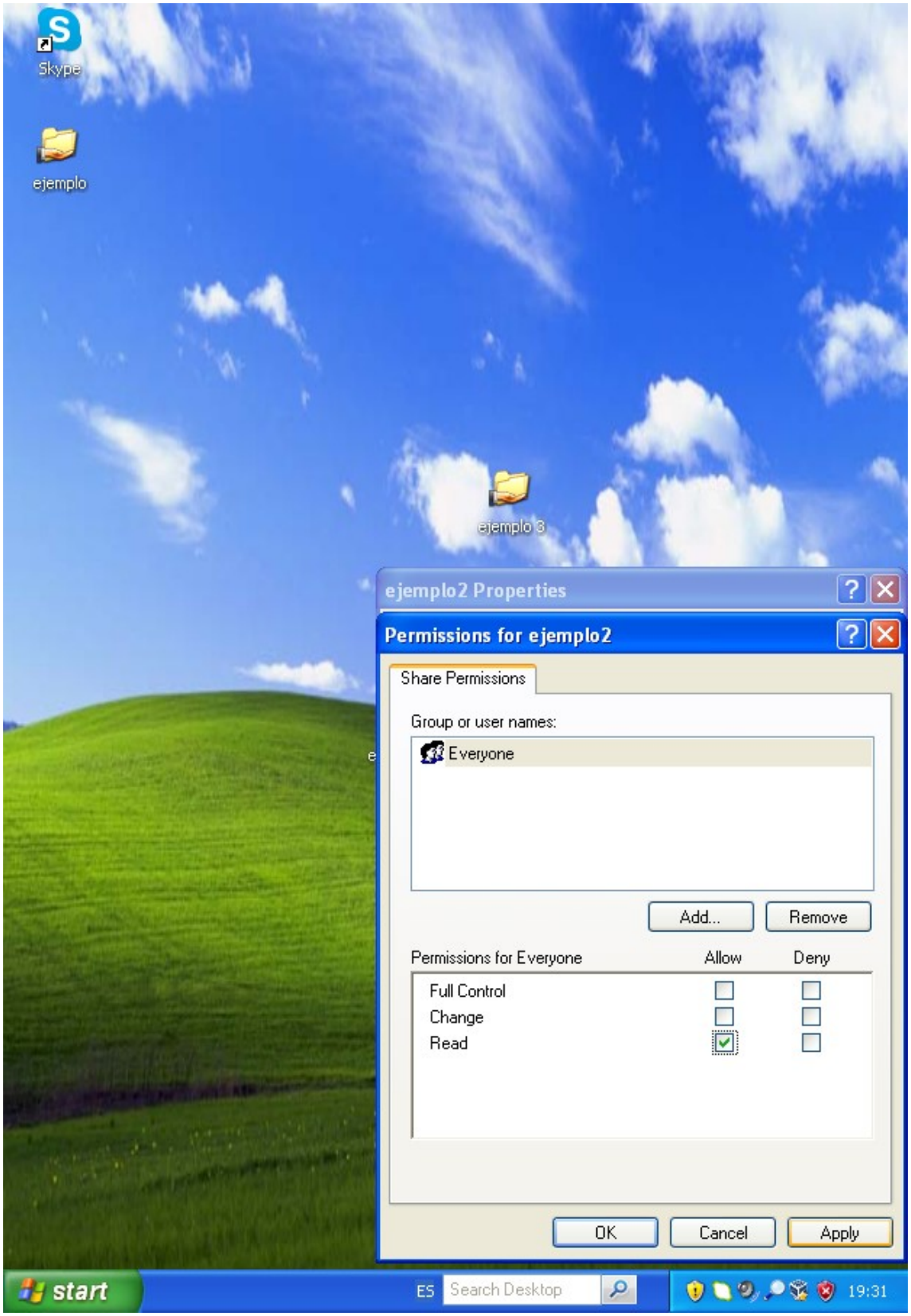
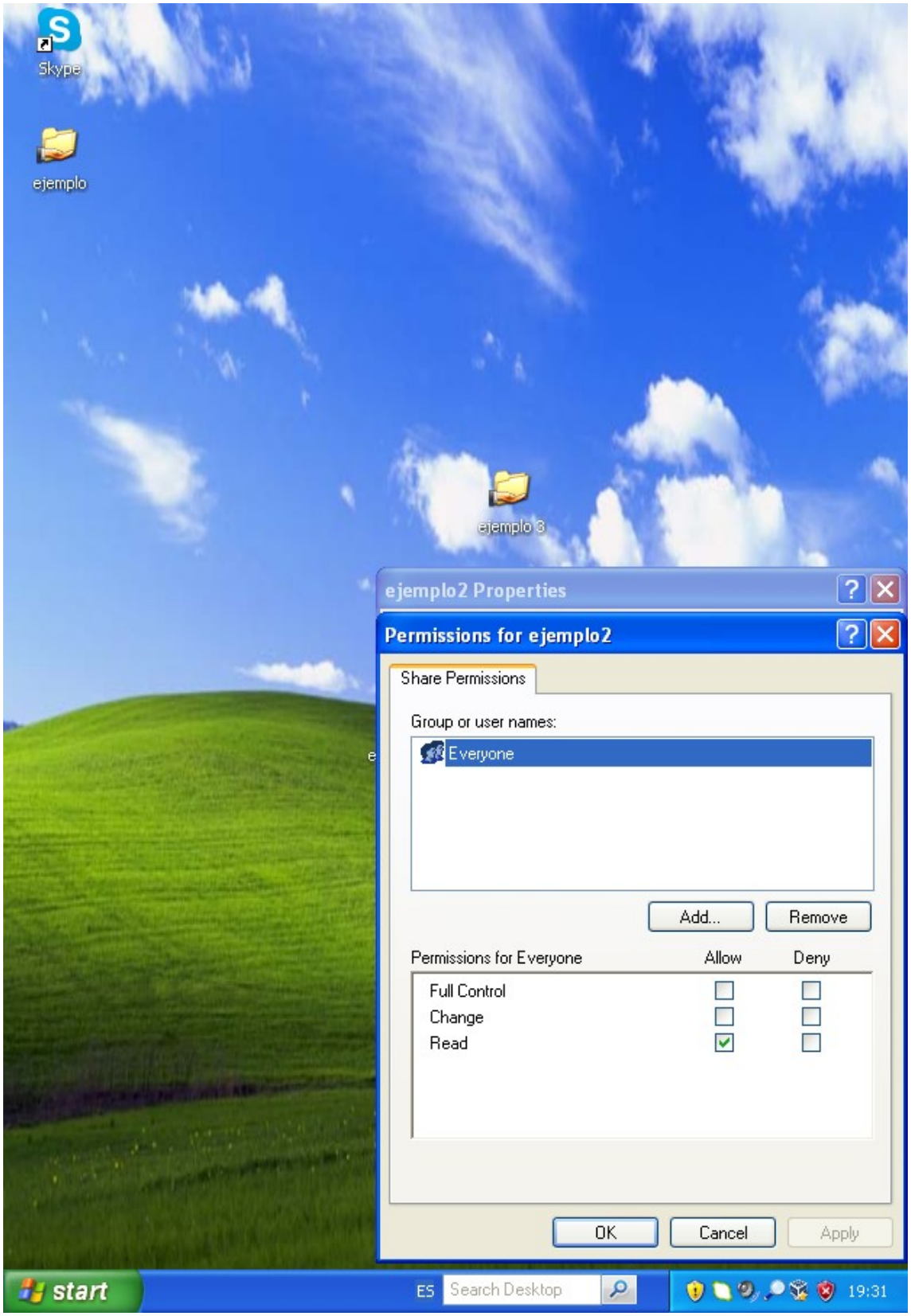
Caching
New Share
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:30

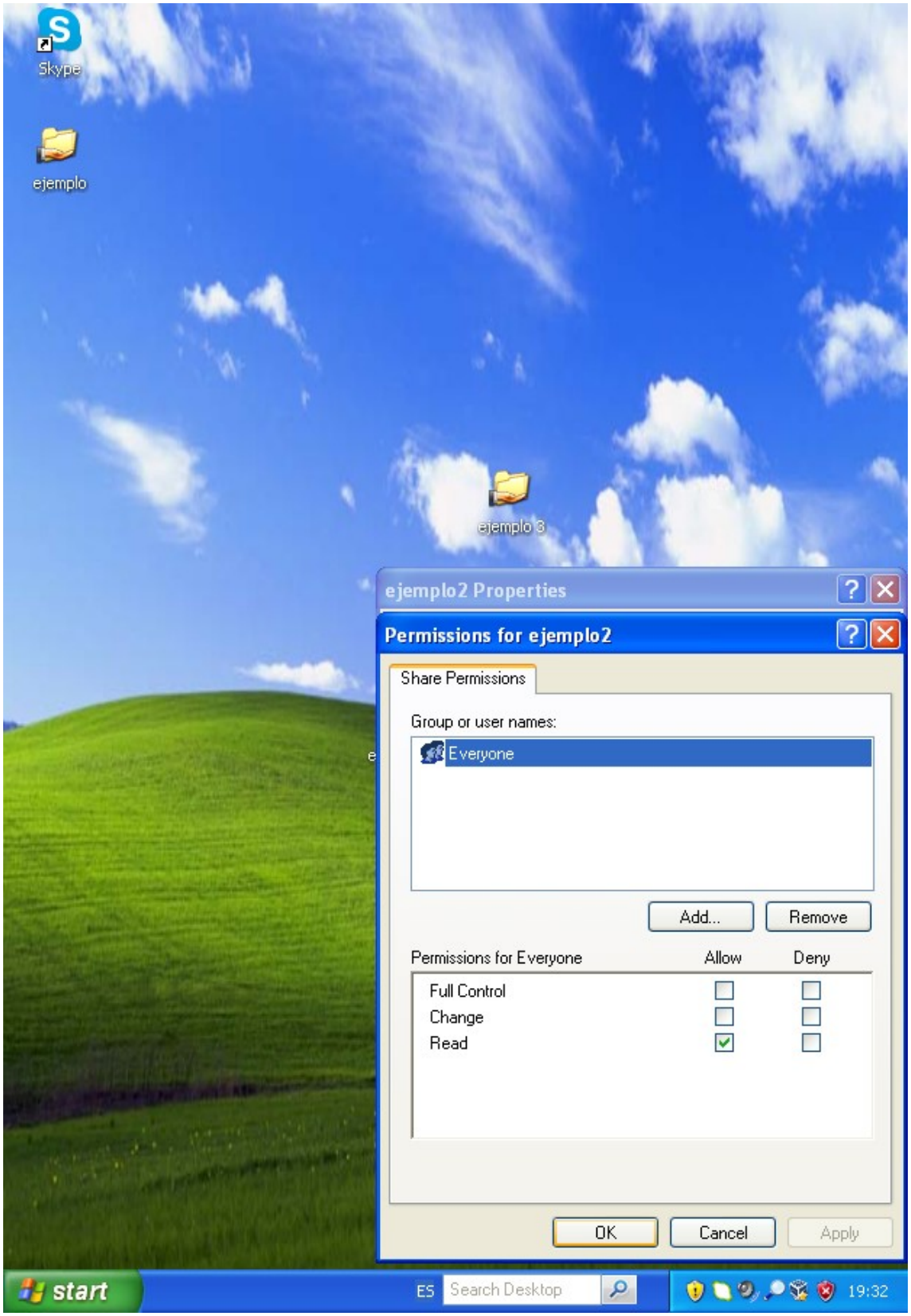

Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.
Do not share this folder
Share this folder
Share name:
ejemplo2
Comment:
User limit:
Maximum allowed
Allow this number of users:
To set permissions for users who access this folder over the network, click Permissions.
Permissions
To configure settings for offline access, click Caching.
Caching
New Share
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:31

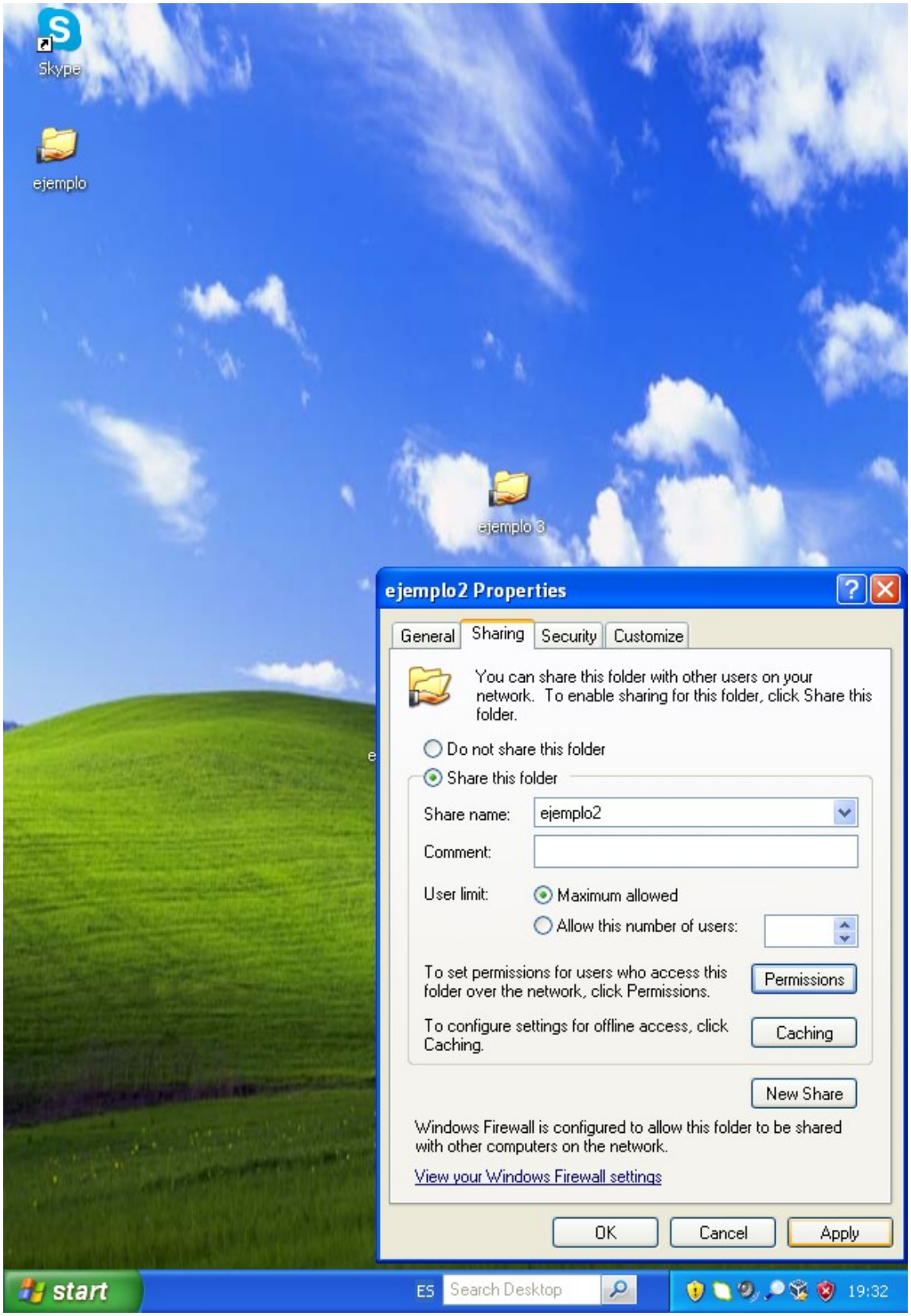

Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Permissions for ejemplo2
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:31

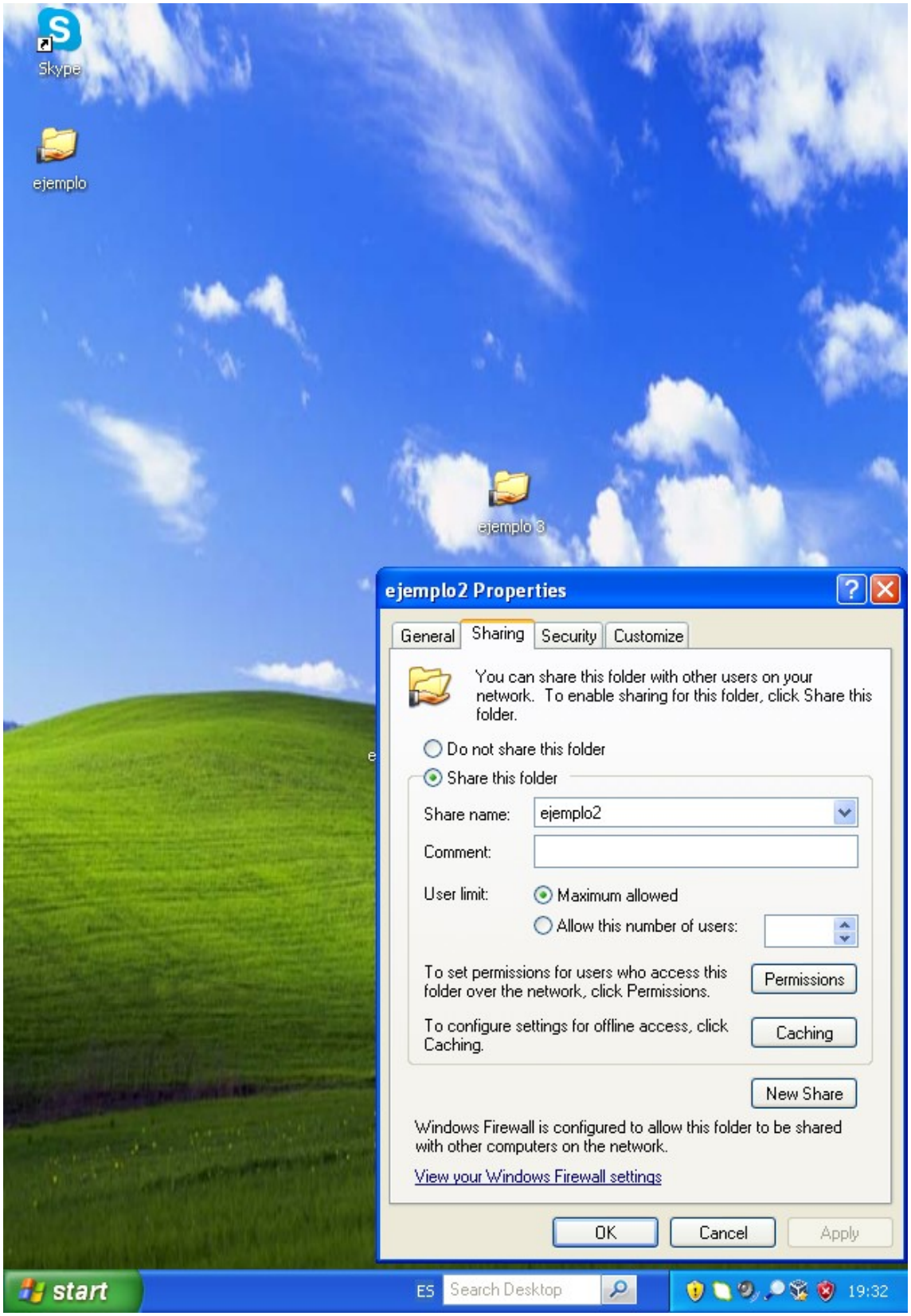

Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Permissions for ejemplo2
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:31


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Permissions for ejemplo2
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:31


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Permissions for ejemplo2
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:31


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
Permissions for ejemplo2
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:32


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.
Do not share this folder
Share this folder
Share name:
ejemplo2
Comment:
User limit:
Maximum allowed
Allow this number of users:
To set permissions for users who access this folder over the network, click Permissions.
Permissions
To configure settings for offline access, click Caching.
Caching
New Share
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply
start
ES
Search Desktop
19:32


Skype
ejemplo
ejemplo 3
ejemplo2 Properties
General
Sharing
Security
Customize
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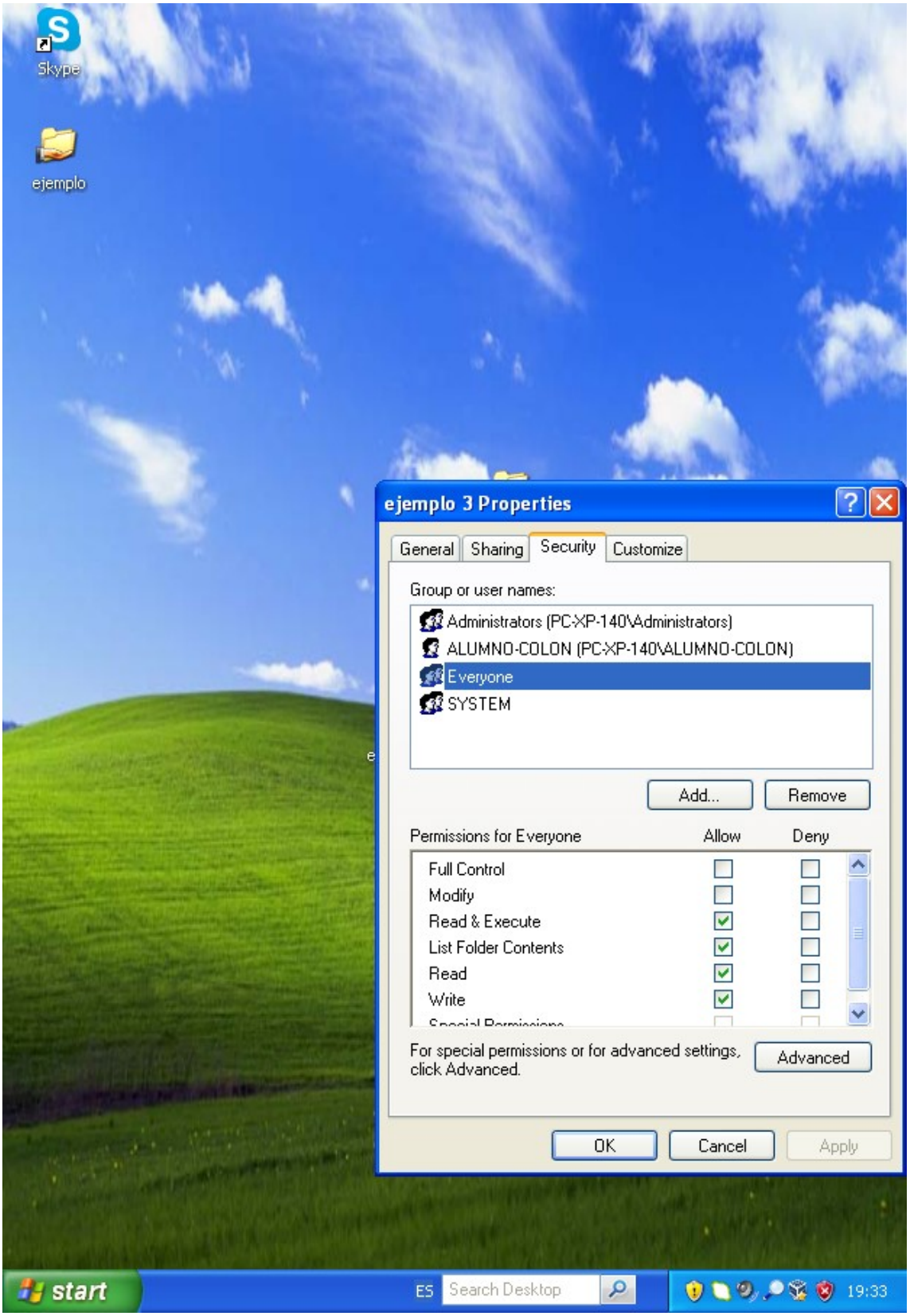
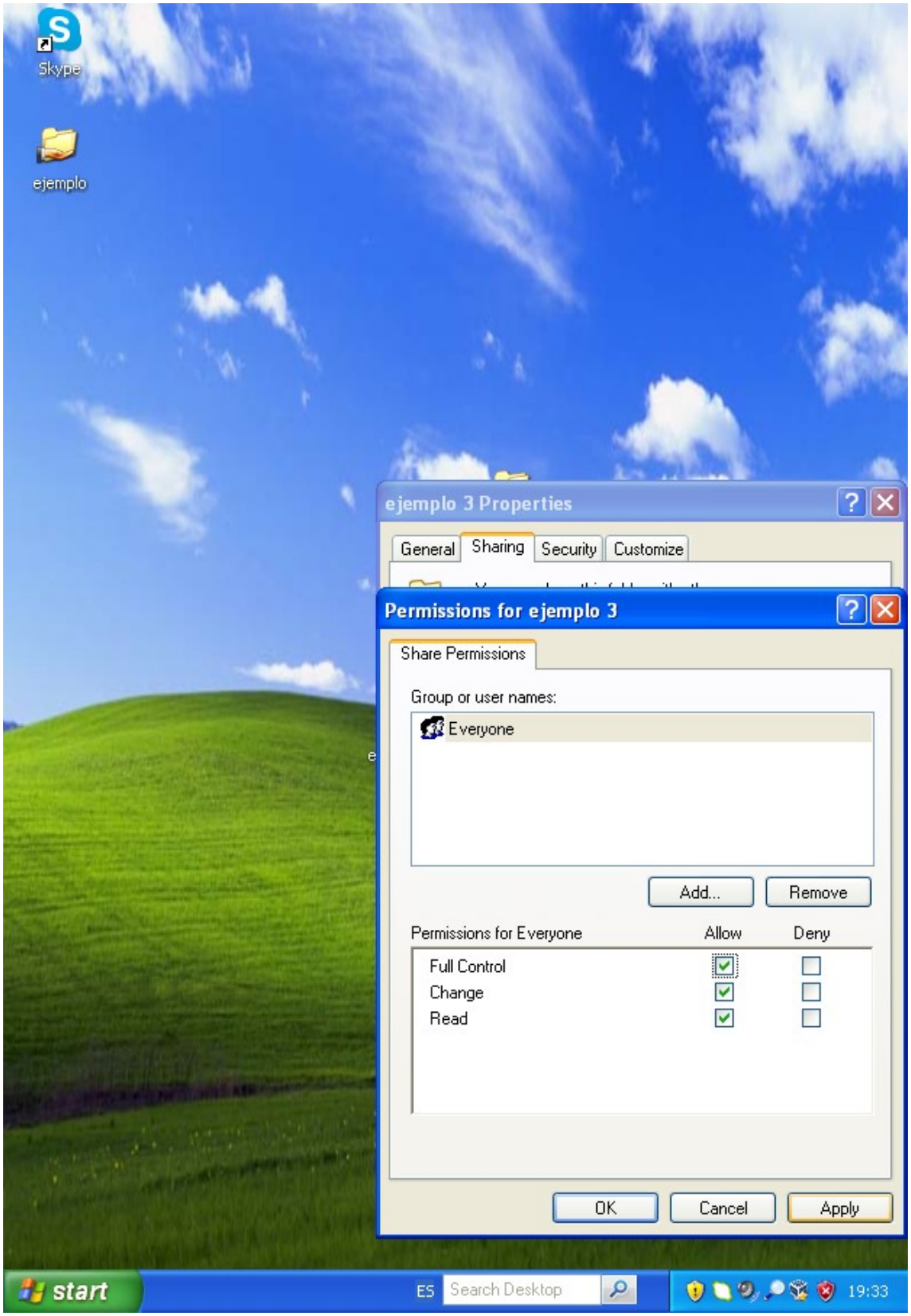
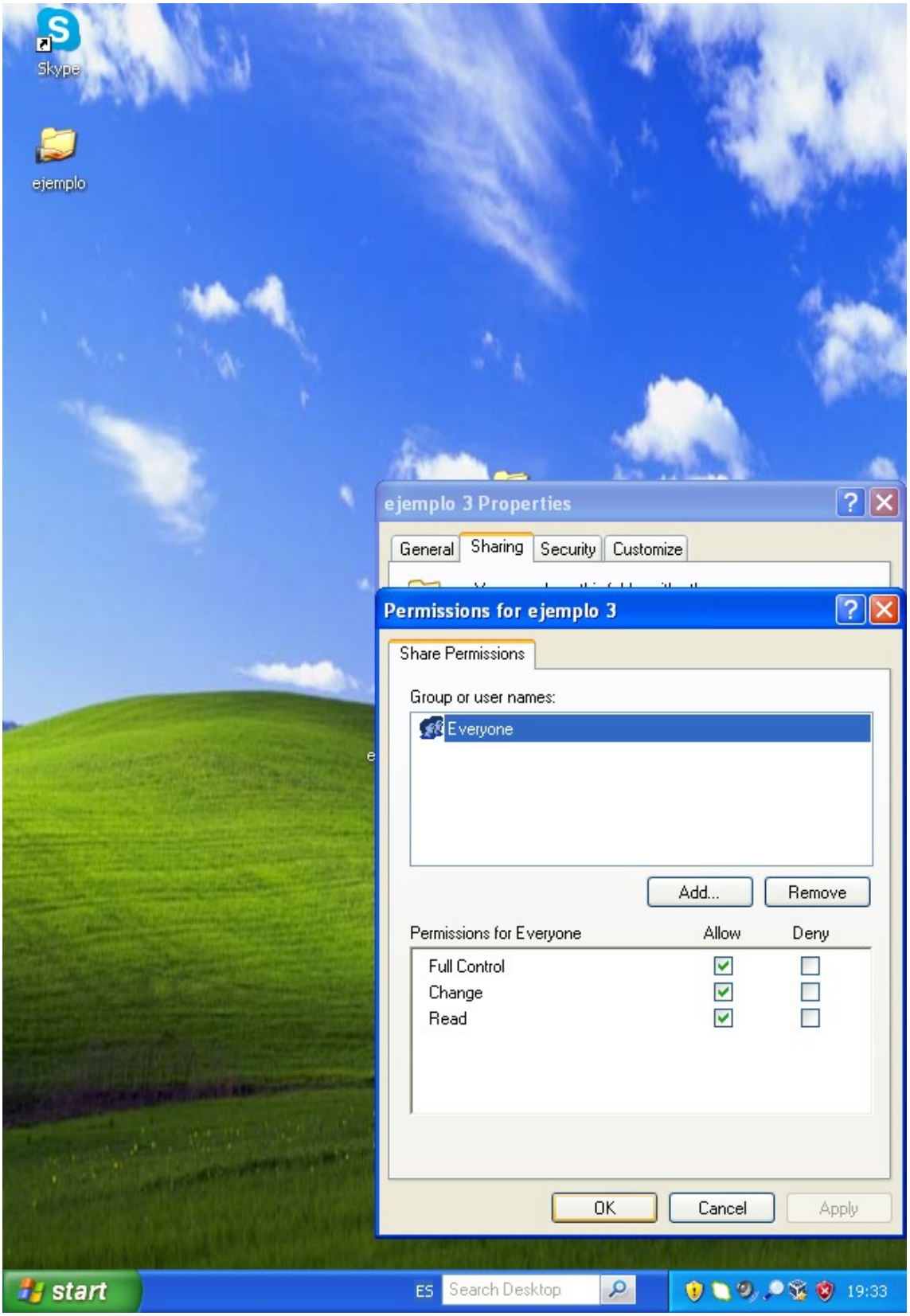
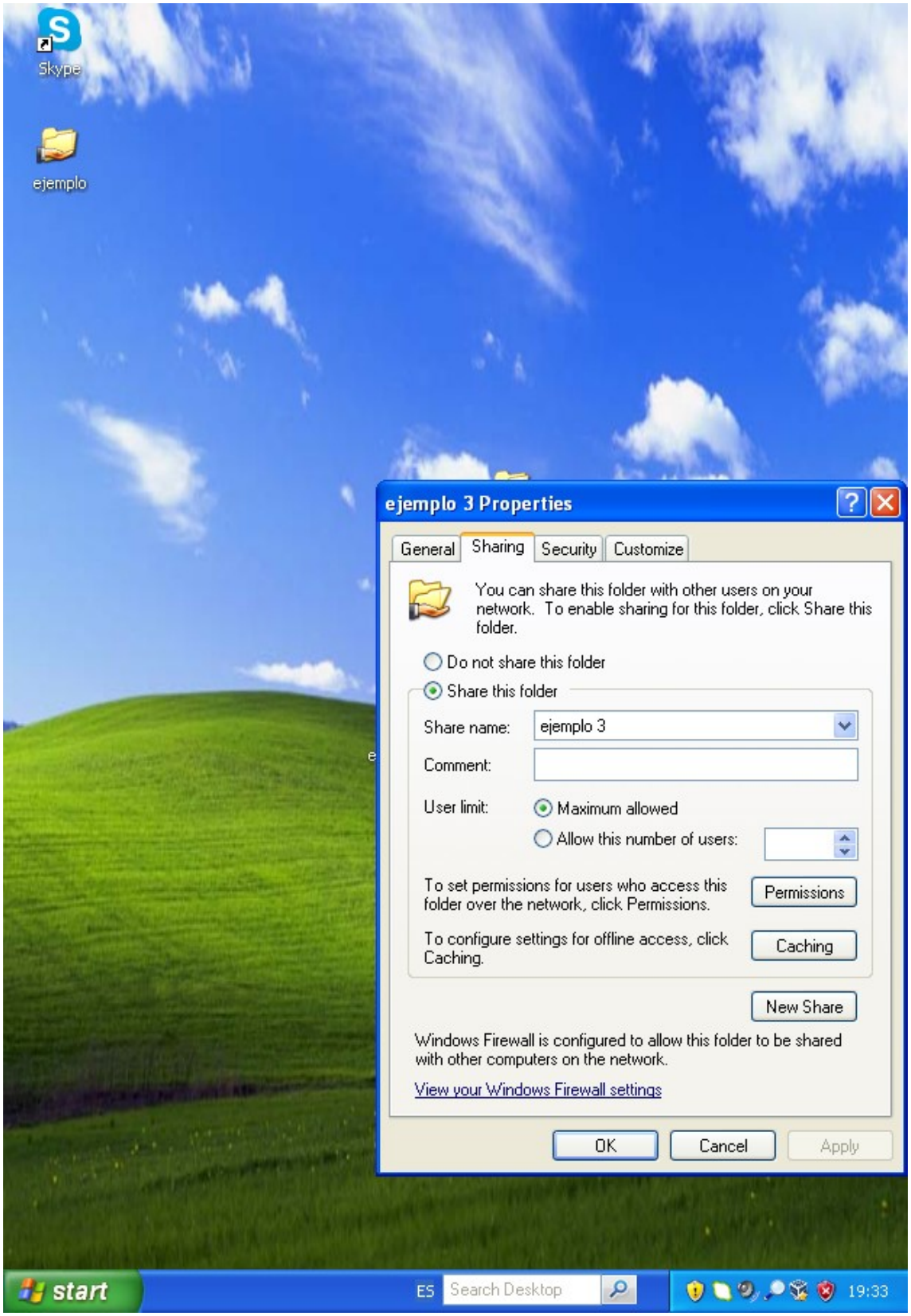
OK
Cancel
Apply
start
ES
Search Desktop
19:32


Skype
ejemplo
ejemplo 3 Properties
General
Sharing
Security
Customize
Group or user names:
Administrators (PC-XP-140\Administrators)
ALUMNO-COLON (PC-XP-140\ALUMNO-COLON)
Everyone
SYSTEM
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Modify
Read & Execute
List Folder Contents
Read
Write
For special permissions or for advanced settings, click Advanced.
Advanced
OK
Cancel
Apply
start
ES
Search Desktop
19:33

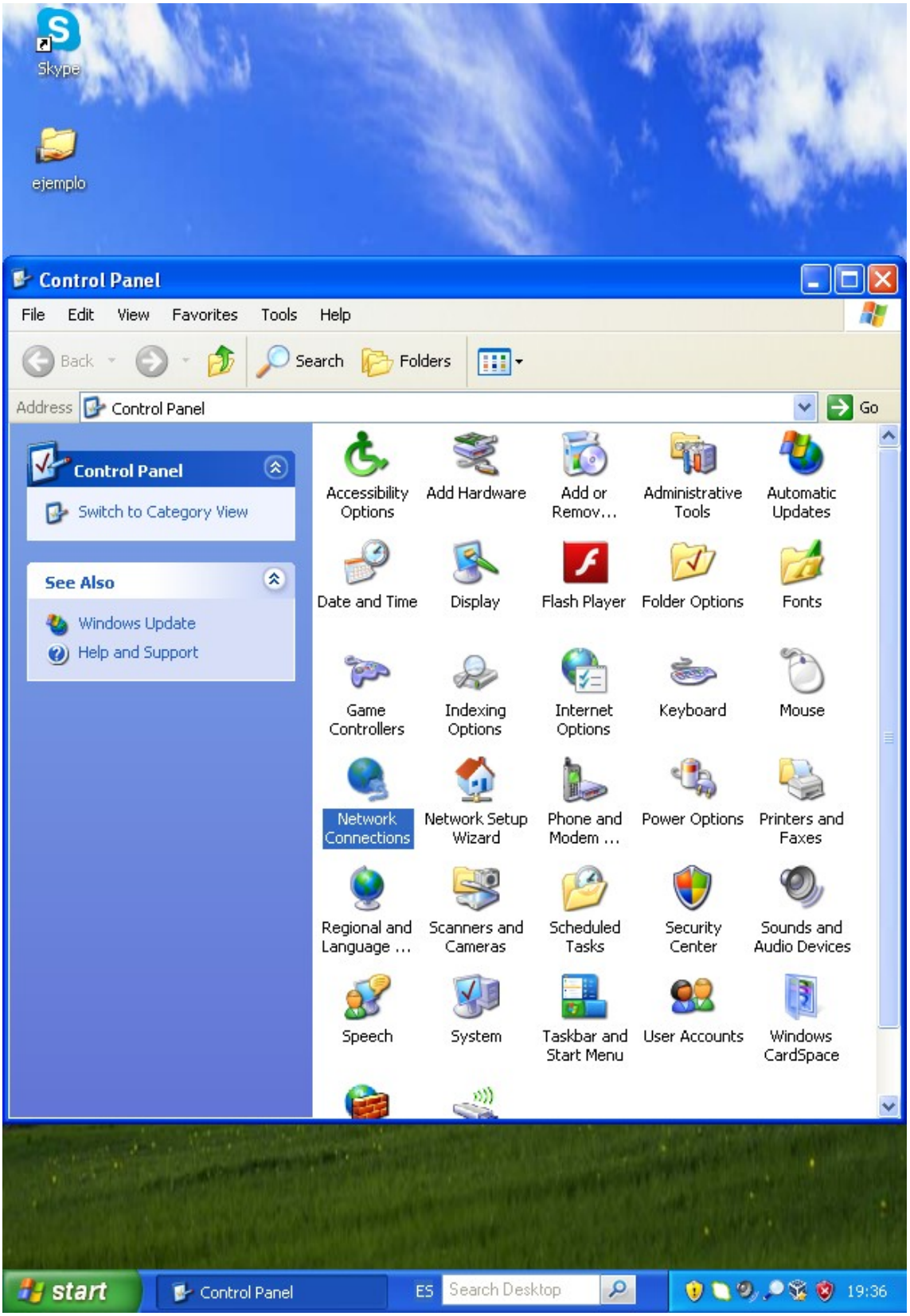

Skype
ejemplo
ejemplo 3 Properties
General
Sharing
Security
Customize
Permissions for ejemplo 3
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:33

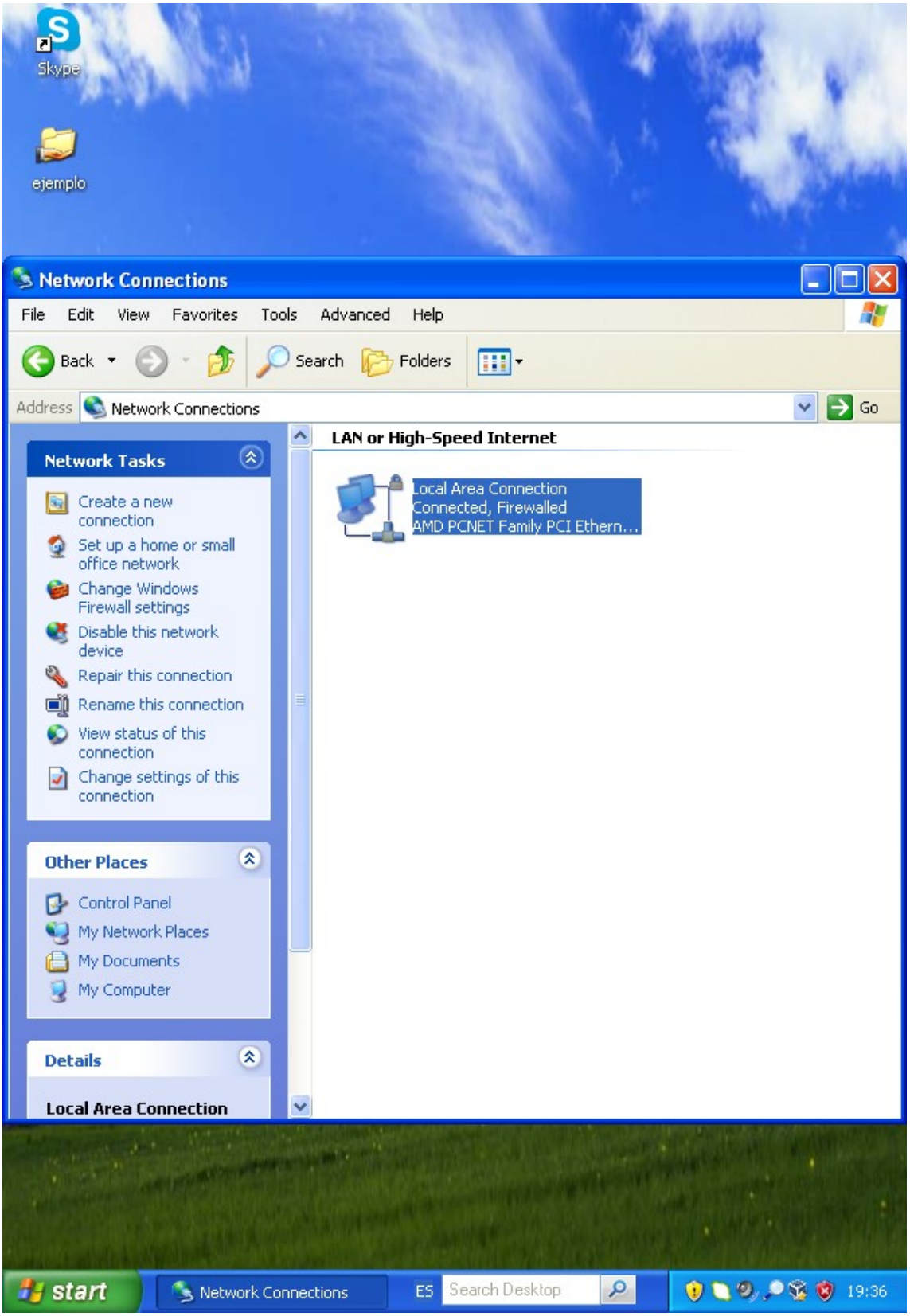

Skype
ejemplo
ejemplo 3 Properties
General
Sharing
Security
Customize
Permissions for ejemplo 3
Share Permissions
Group or user names:
Everyone
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
OK
Cancel
Apply
start
ES
Search Desktop
19:33

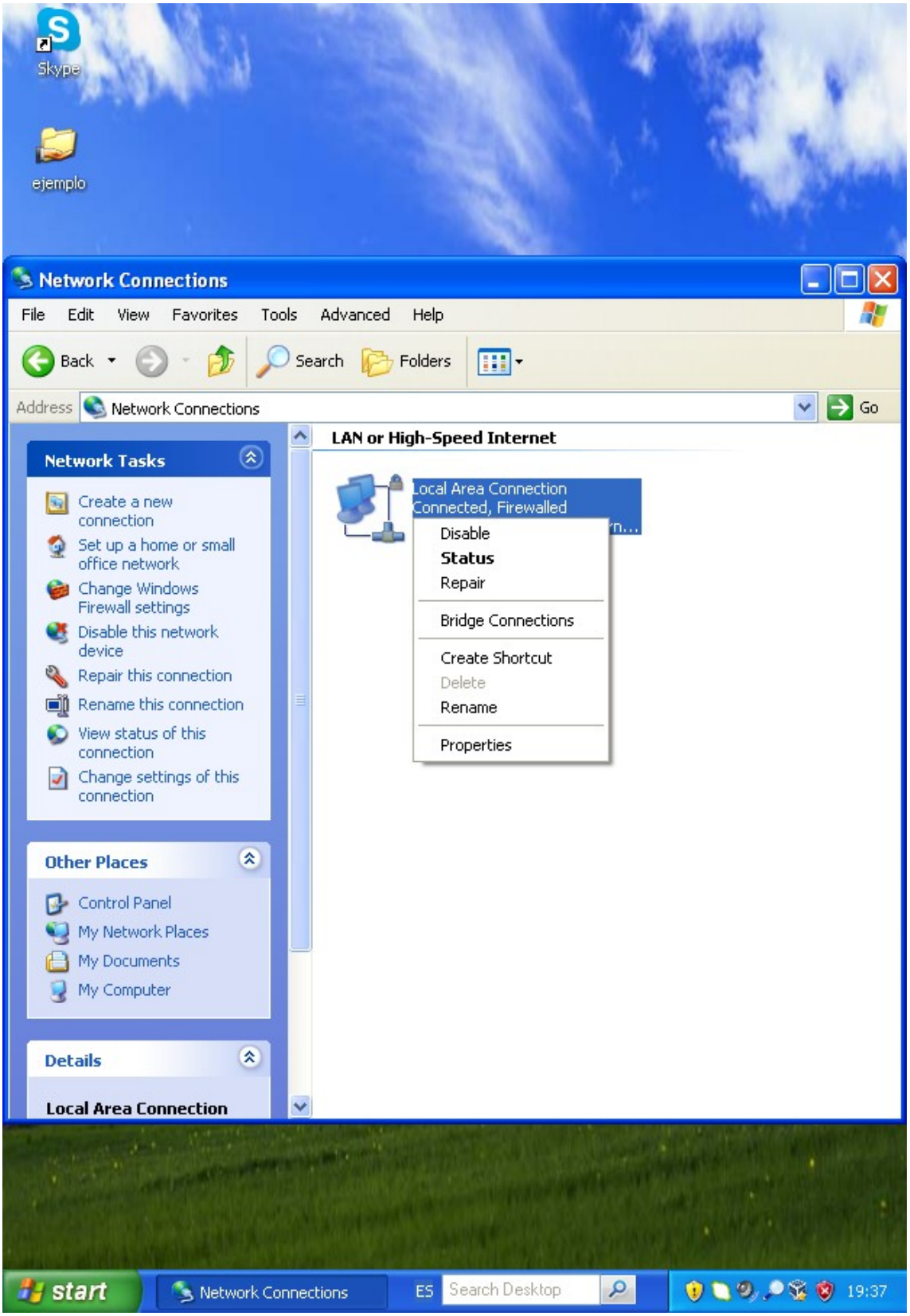


Configuración red:

Skype
ejemplo
ejemplo 3
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
19:36


Skype
ejemplo
Control Panel
File Edit View Favorites Tools Help
Back
Search
Folders
Address
Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Date and Time
Display
Flash Player
Folder Options
Fonts
Game Controllers
Indexing Options
Internet Options
Keyboard
Mouse
Network Connections
Network Setup Wizard
Phone and Modem ...
Power Options
Printers and Faxes
Regional and Language ...
Scanners and Cameras
Scheduled Tasks
Security Center
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
19:36


Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
Disable this network device
Repair this connection
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
AMD PCNET Family PCI Ethern...
start
Network Connections
ES
Search Desktop
19:36


Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
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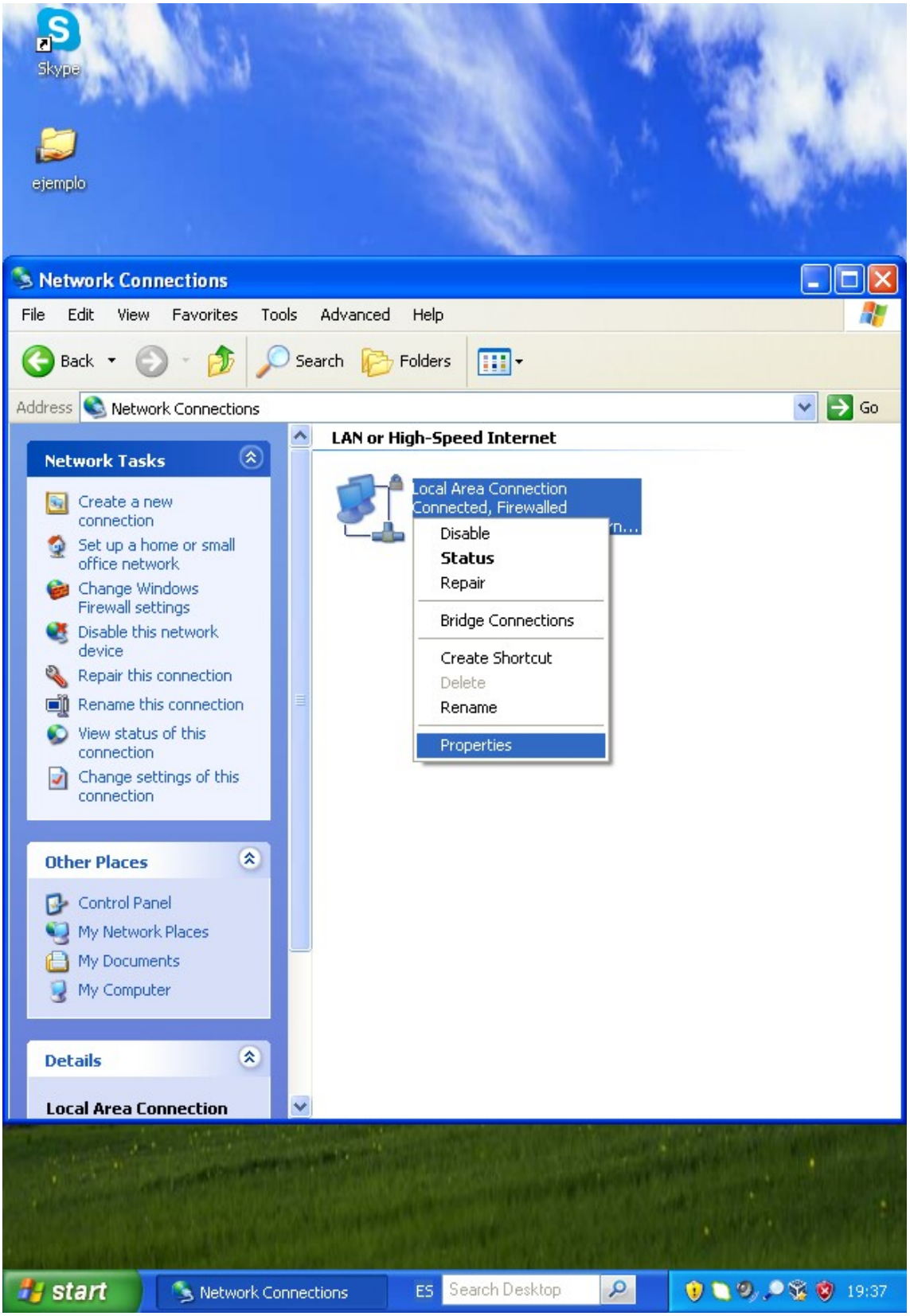
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
Disable
Status
Repair
Bridge Connections
Create Shortcut
Delete
Rename
Properties
start
Network Connections
ES
Search Desktop
19:37


Skype
ejemplo
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Folders
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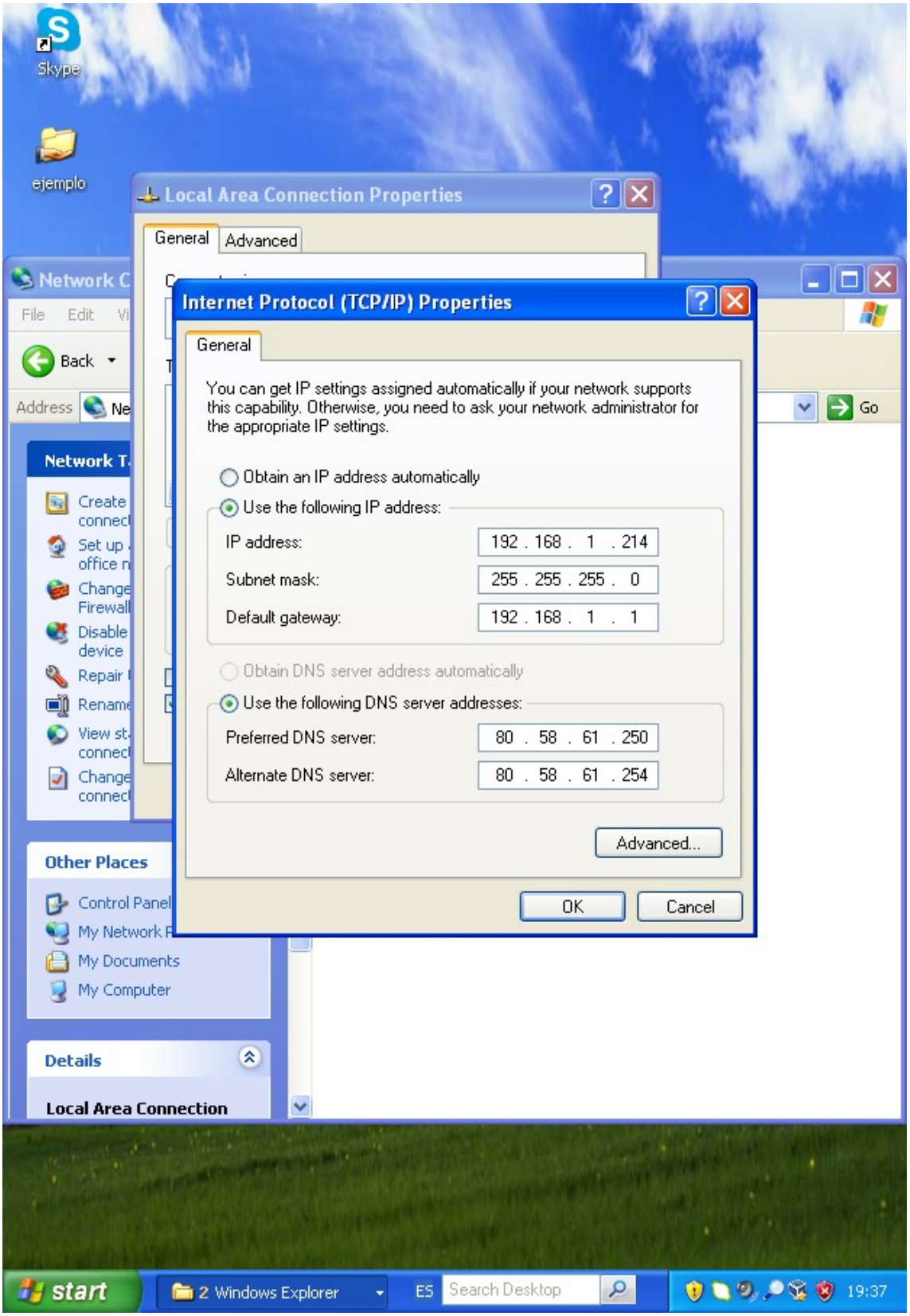
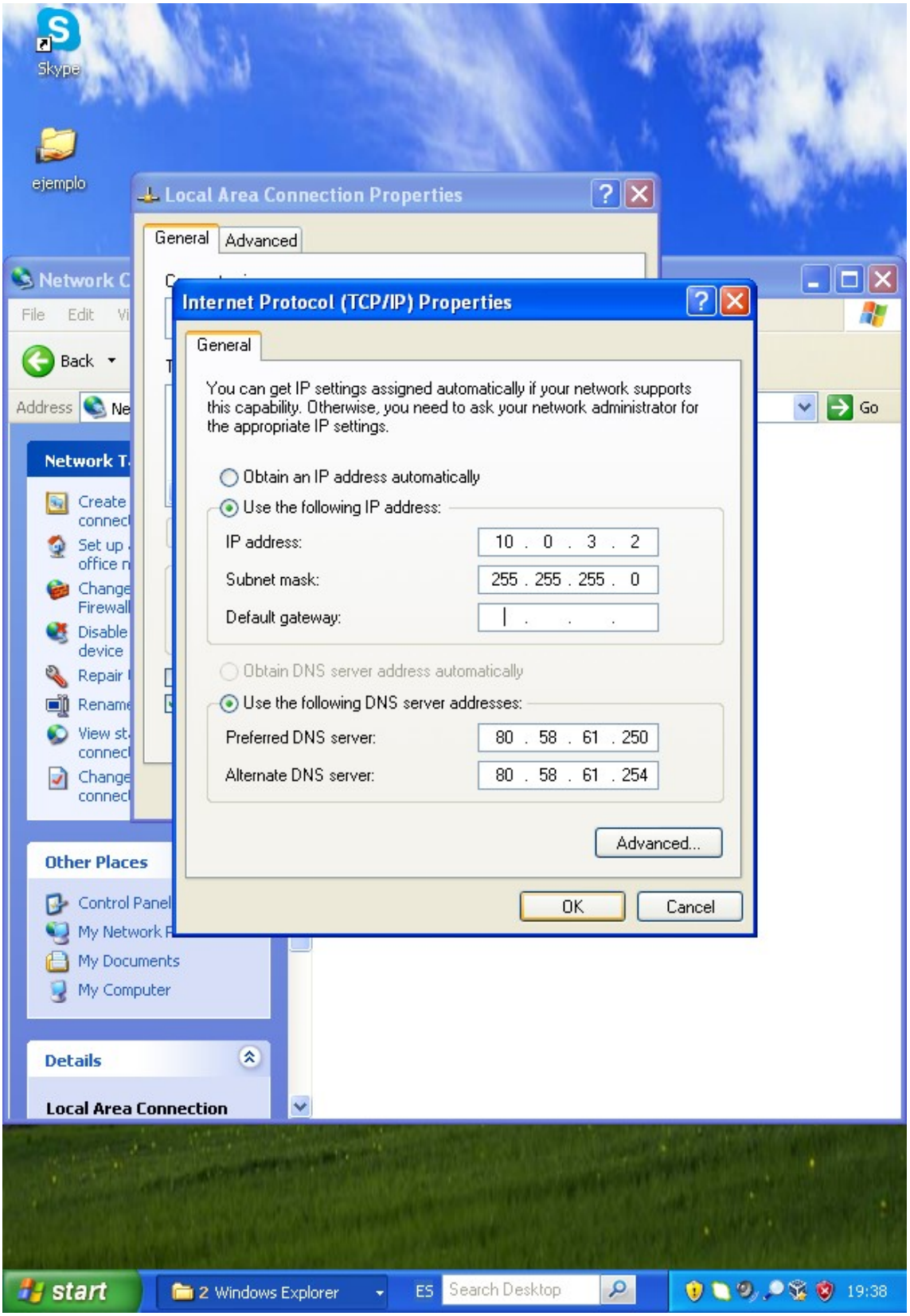
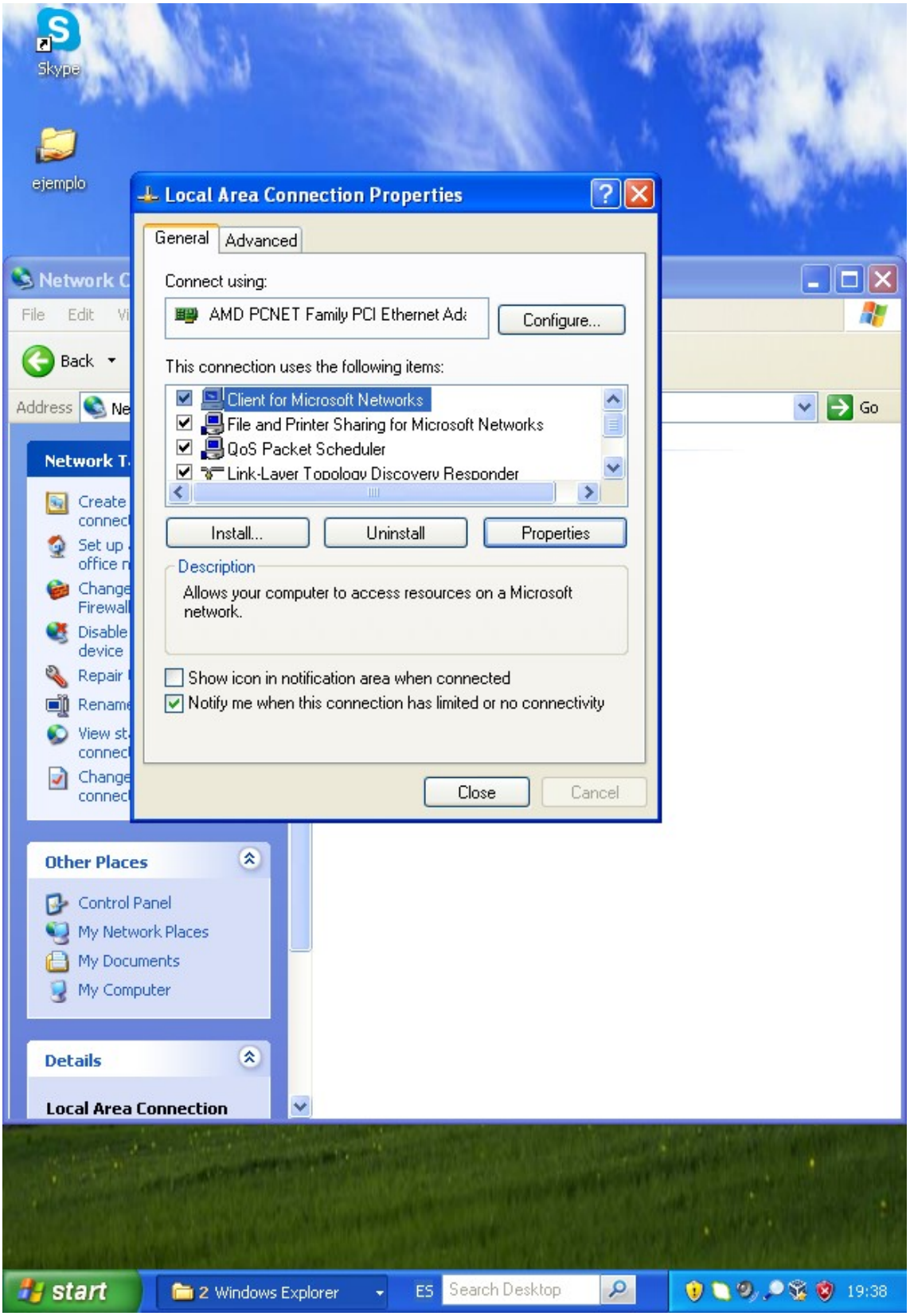
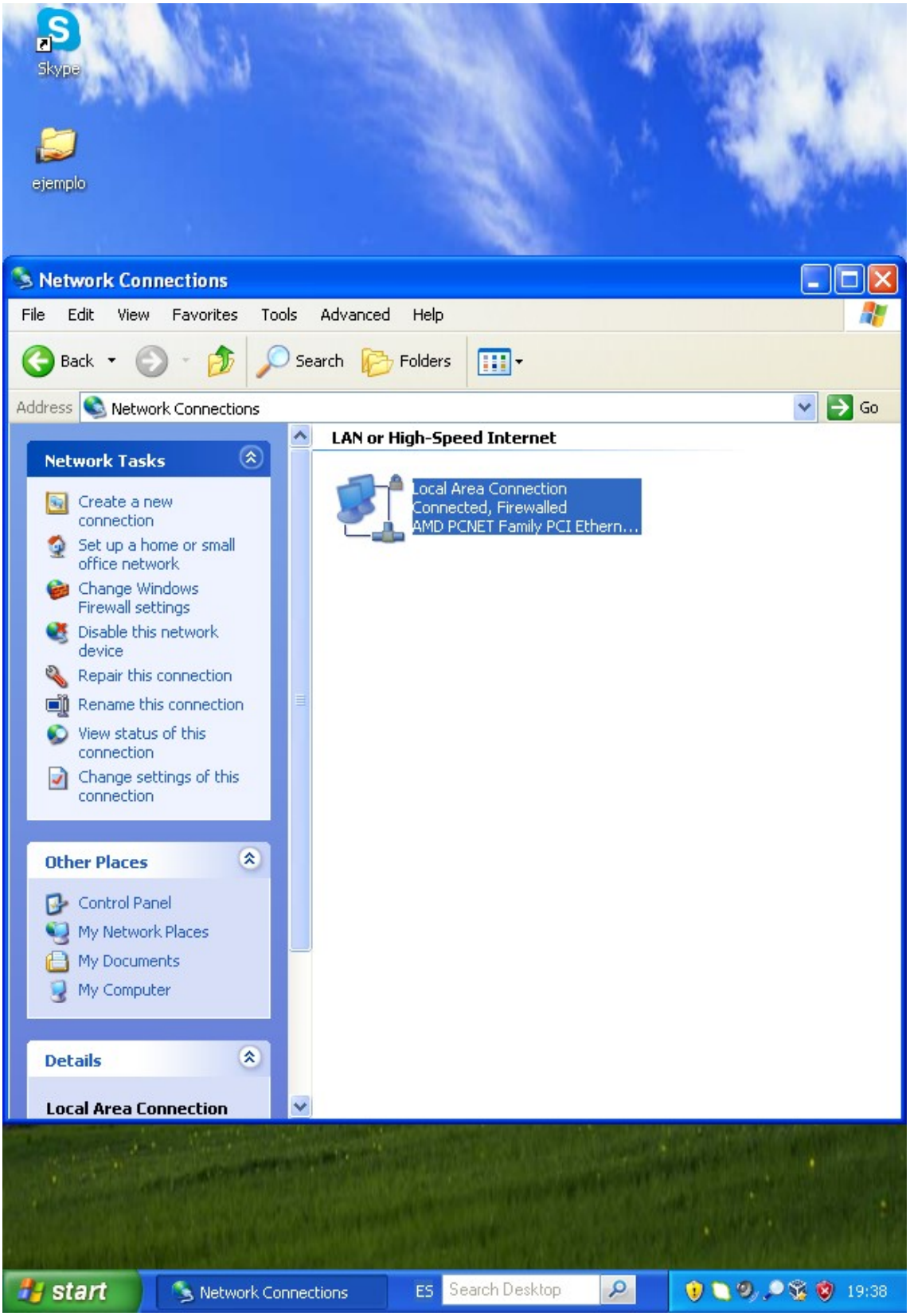
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
Disable
Status
Repair
Bridge Connections
Create Shortcut
Delete
Rename
Properties
start
Network Connections
ES
Search Desktop
19:37


Skype
ejemplo
Local Area Connection Properties
General
Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 1 . 214
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 1 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 80 . 58 . 61 . 250
Alternate DNS server: 80 . 58 . 61 . 254
Advanced...
OK
Cancel
Network C
File Edit
Back
Address
Go
Network T
Create connect
Set up office n
Change Firewall
Disable device
Repair
Rename
View st connect
Change connect
Other Places
Control Panel
My Network
My Documents
My Computer
Details
Local Area Connection
start
2 Windows Explorer
ES
Search Desktop
19:37

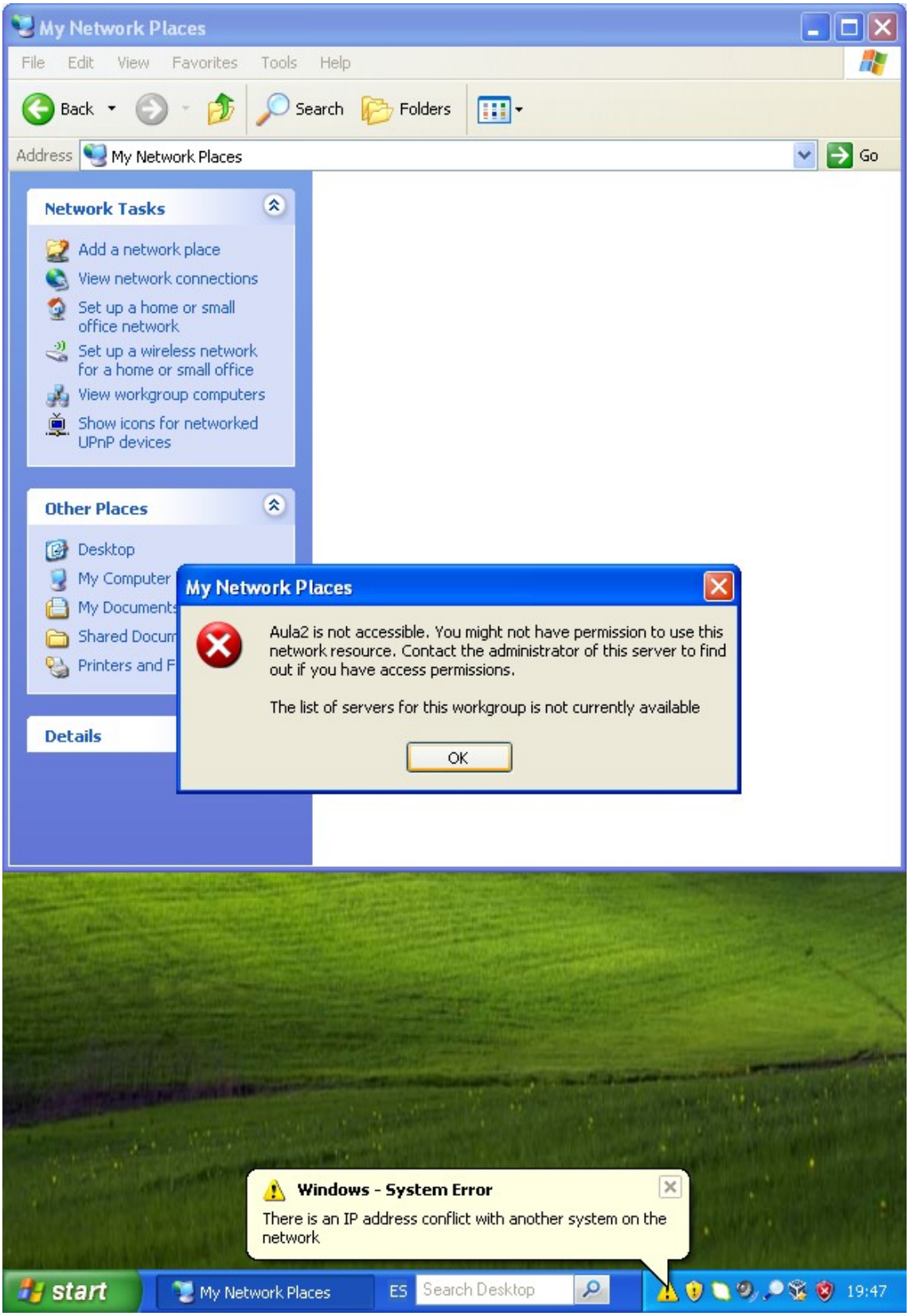

Skype
ejemplo
Local Area Connection Properties
General
Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 10 . 0 . 3 . 2
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 80 . 58 . 61 . 250
Alternate DNS server: 80 . 58 . 61 . 254
Advanced...
OK
Cancel
Network C
File Edit
Back
Address
Go
Network T
Create connect
Set up office n
Change Firewall
Disable device
Repair
Rename
View st connect
Change connect
Other Places
Control Panel
My Network
My Documents
My Computer
Details
Local Area Connection
start
2 Windows Explorer
ES
Search Desktop
19:38


Skype
ejemplo
Local Area Connection Properties
General
Advanced
Connect using:
AMD PCNET Family PCI Ethernet Ad
Configure...
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
QoS Packet Scheduler
Link-Layer Topology Discovery Responder
Install...
Uninstall
Properties
Description
Allows your computer to access resources on a Microsoft network.
Show icon in notification area when connected
Notify me when this connection has limited or no connectivity
Close
Cancel
Network C
File
Edit
Back
Address
Go
Network T
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
start
2 Windows Explorer
ES
Search Desktop
19:38



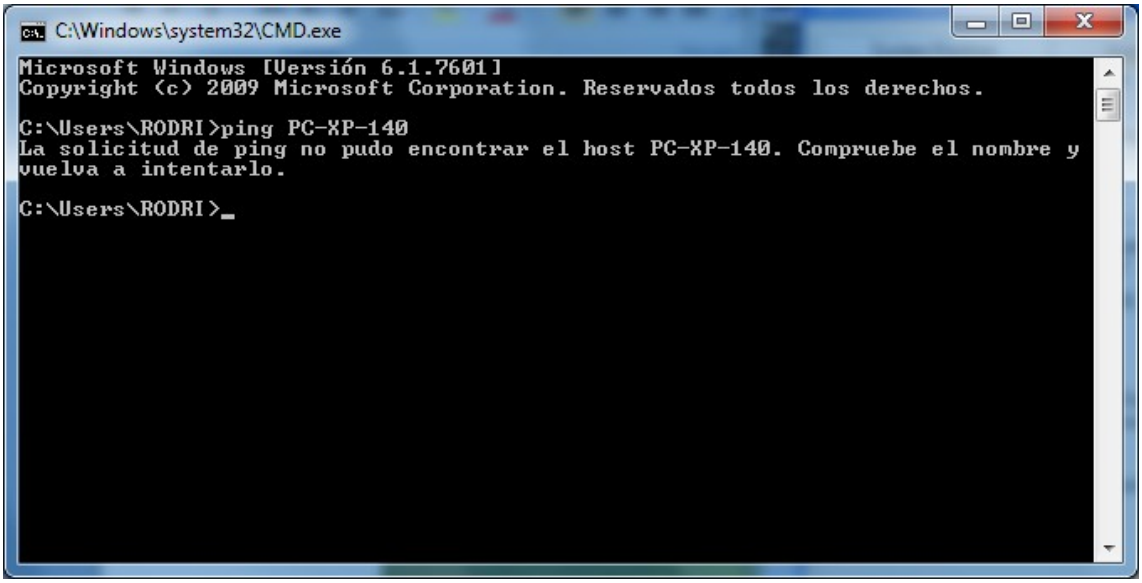
¿Qué puerta de enlace utilizamos?¿Funciona?

- Ninguna
- No



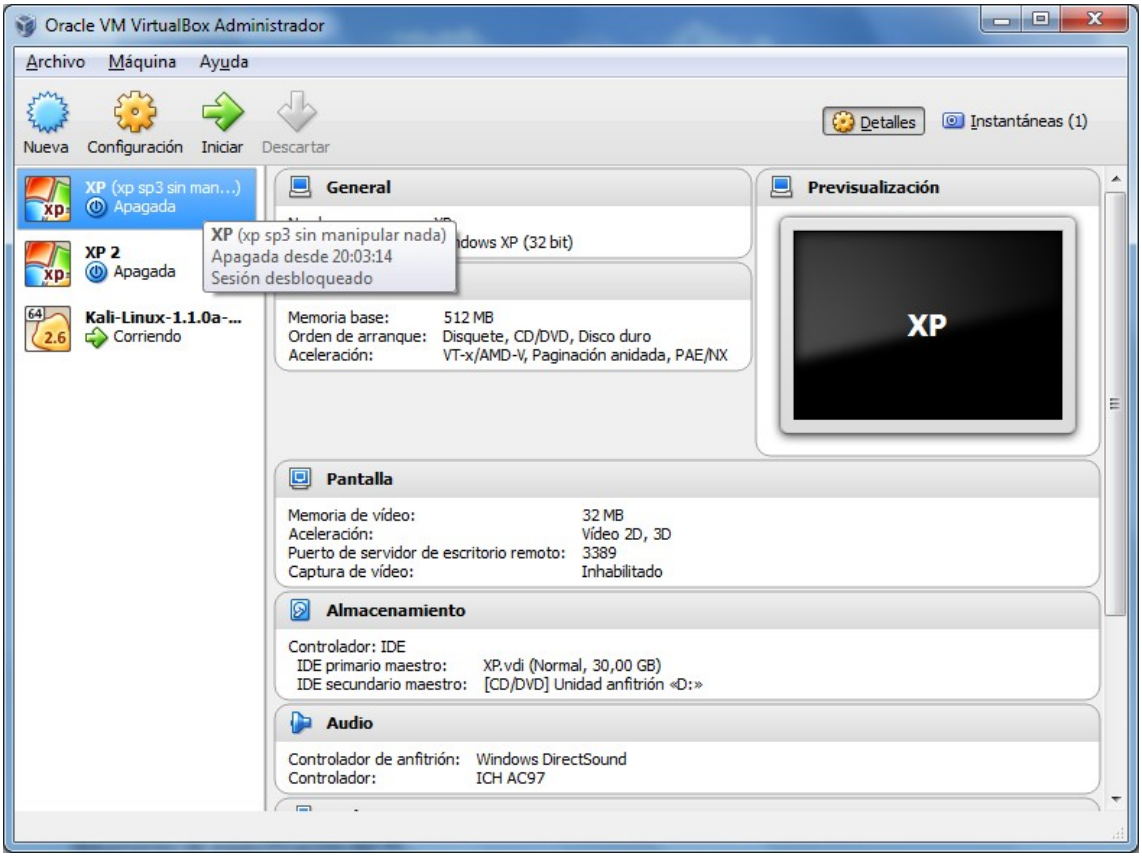
Probar si tenemos o no conexión entra la máquina virtual y la real. ¿Conectan?

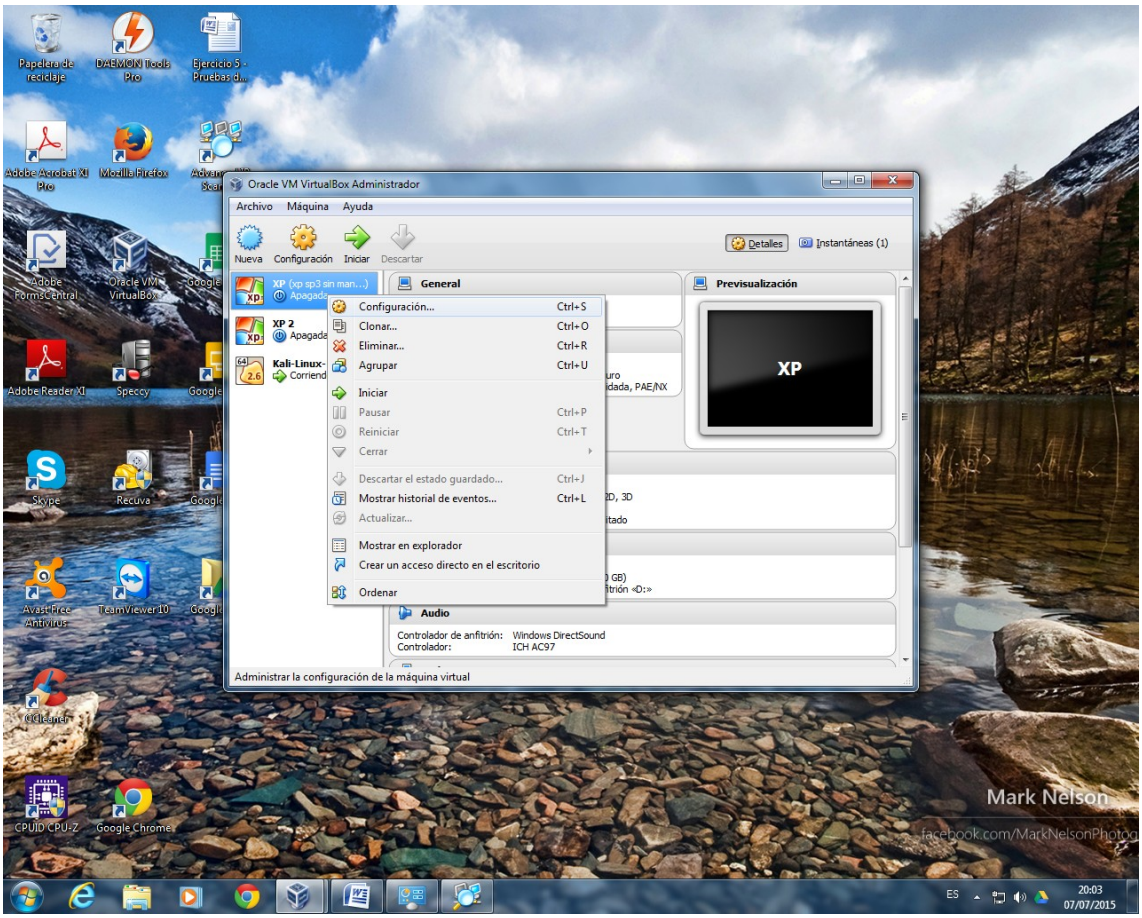
No, porque no están en la misma subred y no hay puerta de enlace:

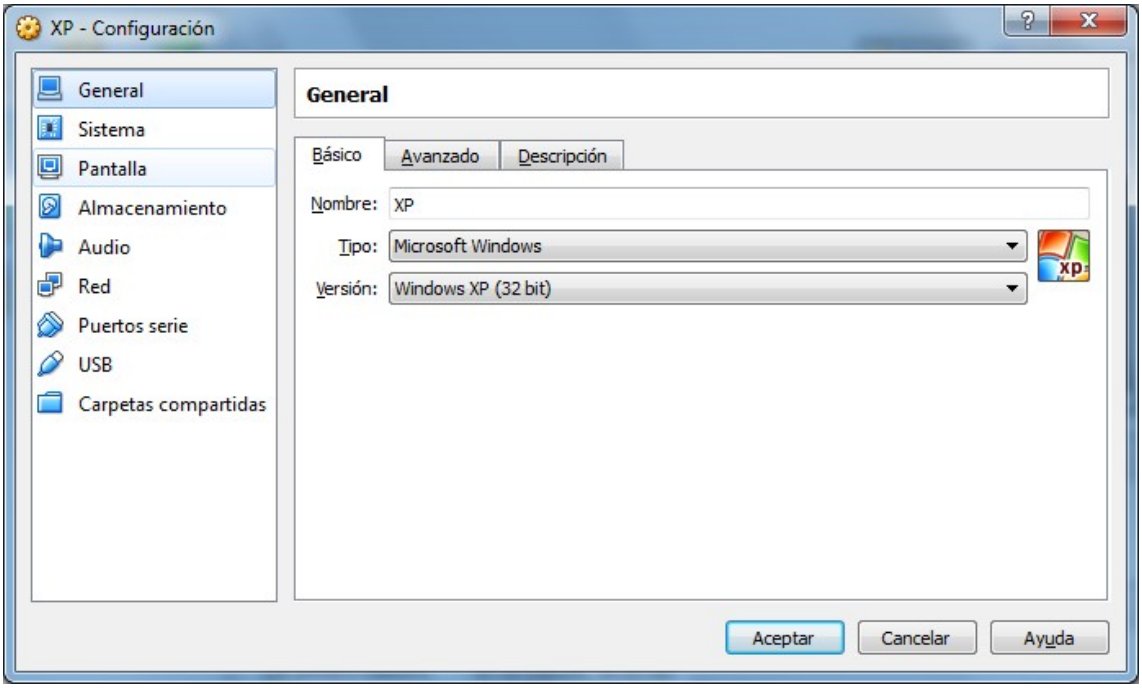

C:\Windows\system32\CMD.exe
Microsoft Windows [Versión 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Reservados todos los derechos.
C:\Users\RODRI>ping PC-XP-140
La solicitud de ping no pudo encontrar el host PC-XP-140. Compruebe el nombre y vuelva a intentarlo.
C:\Users\RODRI>_

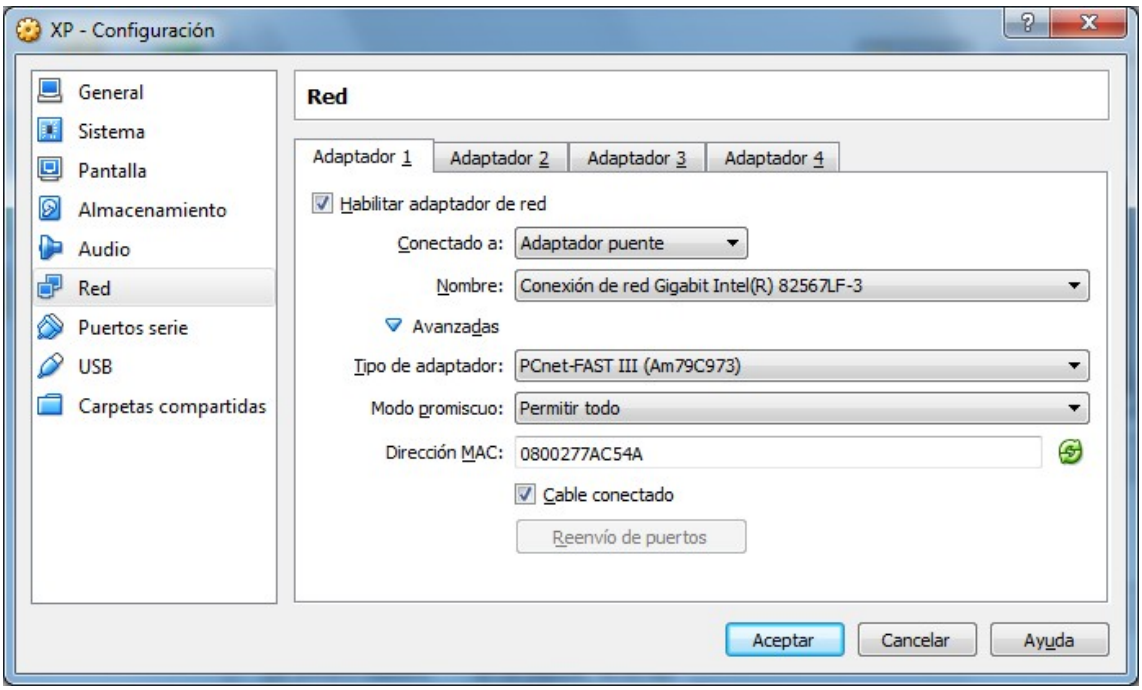
Skype
ejemplo
ejemplo 3
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
19:53

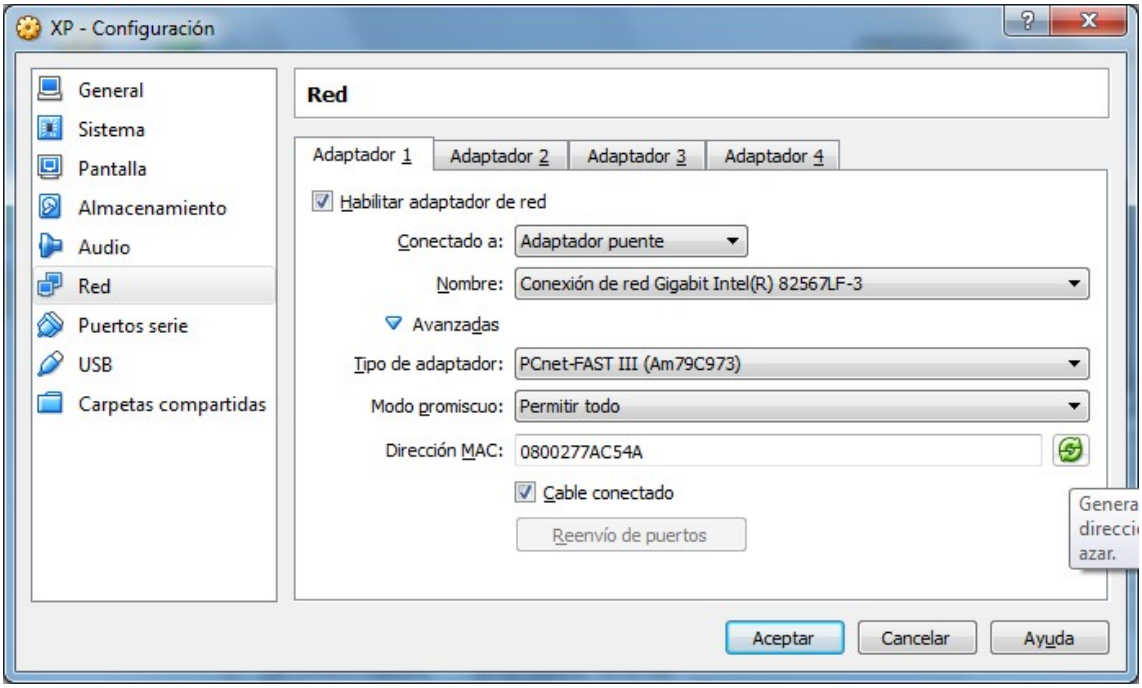
Cambiar la dirección MAC de nuestra máquina virtual. ¿Para qué puede servir esto? ¿Podríamos cambiar la MAC de nuestra máquina real? Comprobar la MAC real y anotarla en el documento de especificación del PC.

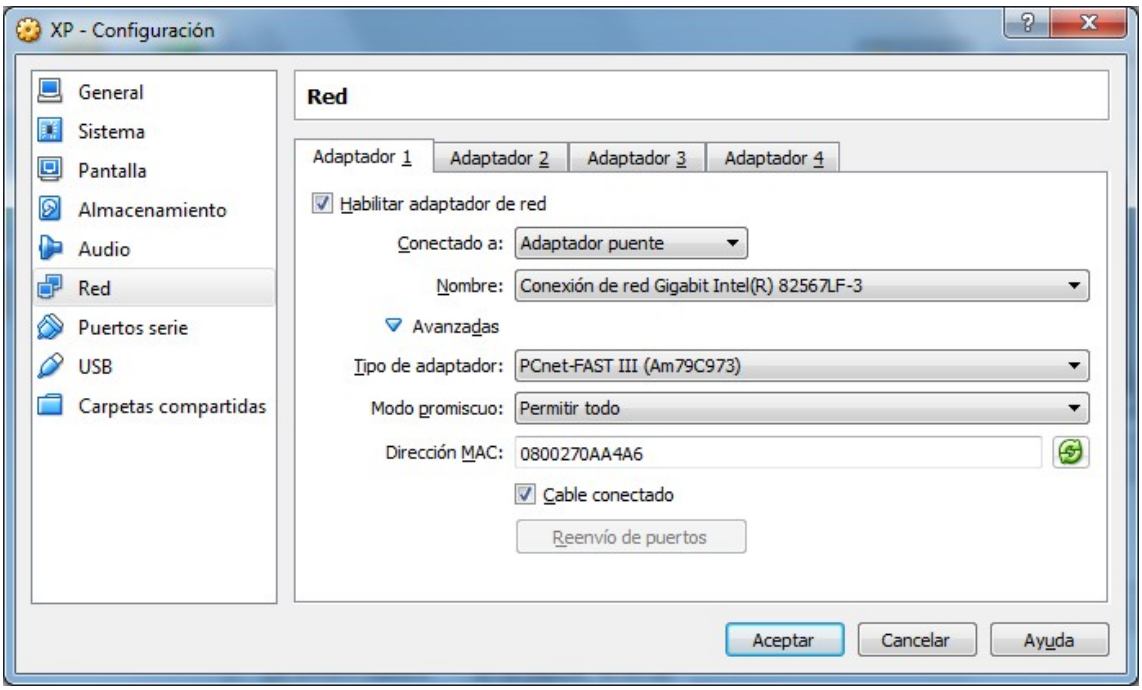

Oracle VM VirtualBox Administrador
Archivo Máquina Ayuda
Nueva Configuración Iniciar Descartar
Detalles Instantáneas (1)
XP (xp sp3 sin man...)
Apagada
XP 2
Apagada
Kali-Linux-1.1.0a-...
Corriendo
XP (xp sp3 sin manipular nada)
Apagada desde 20:03:14
Sesión desbloqueado
General
dows XP (32 bit)
Memoria base: 512 MB
Orden de arranque: Disquete, CD/DVD, Disco duro
Aceleración: VT-x/AMD-V, Paginación anidada, PAE/NX
Previsualización
XP
Pantalla
Memoria de vídeo: 32 MB
Aceleración: Vídeo 2D, 3D
Puerto de servidor de escritorio remoto: 3389
Captura de vídeo: Inhabilitado
Almacenamiento
Controlador: IDE
IDE primario maestro: XP.vdi (Normal, 30,00 GB)
IDE secundario maestro: [CD/DVD] Unidad anfitrión «D:»
Audio
Controlador de anfitrión: Windows DirectSound
Controlador: ICH AC97


Oracle VM VirtualBox Administrador
Archivo Máquina Ayuda
Nueva Configuración Iniciar Descartar
Detalles Instantáneas (1)
Configuración... Ctrl+S
Clonar... Ctrl+O
Eliminar... Ctrl+R
Agrupar Ctrl+U
Iniciar
Pausar Ctrl+P
Reiniciar Ctrl+T
Cerrar
Descartar el estado guardado... Ctrl+J
Mostrar historial de eventos... Ctrl+L
Actualizar...
Mostrar en explorador
Crear un acceso directo en el escritorio
Ordenar
Administrar la configuración de la máquina virtual
Mark Nelson


XP - Configuración
General
Sistema
Pantalla
Almacenamiento
Audio
Red
Puertos serie
USB
Carpetas compartidas
General
Básico
Avanzado
Descripción
Nombre: XP
Tipo: Microsoft Windows
Versión: Windows XP (32 bit)
Aceptar
Cancelar
Ayuda


XP - Configuración
General
Sistema
Pantalla
Almacenamiento
Audio
Red
Puertos serie
USB
Carpetas compartidas
Red
Adaptador 1
Adaptador 2
Adaptador 3
Adaptador 4
Habilitar adaptador de red
Conectado a: Adaptador puente
Nombre: Conexión de red Gigabit Intel(R) 82567LF-3
Avanzadas
Tipo de adaptador: PCnet-FAST III (Am79C973)
Modo promiscuo: Permitir todo
Dirección MAC: 0800277AC54A
Cable conectado
Reenvío de puertos
Aceptar
Cancelar
Ayuda



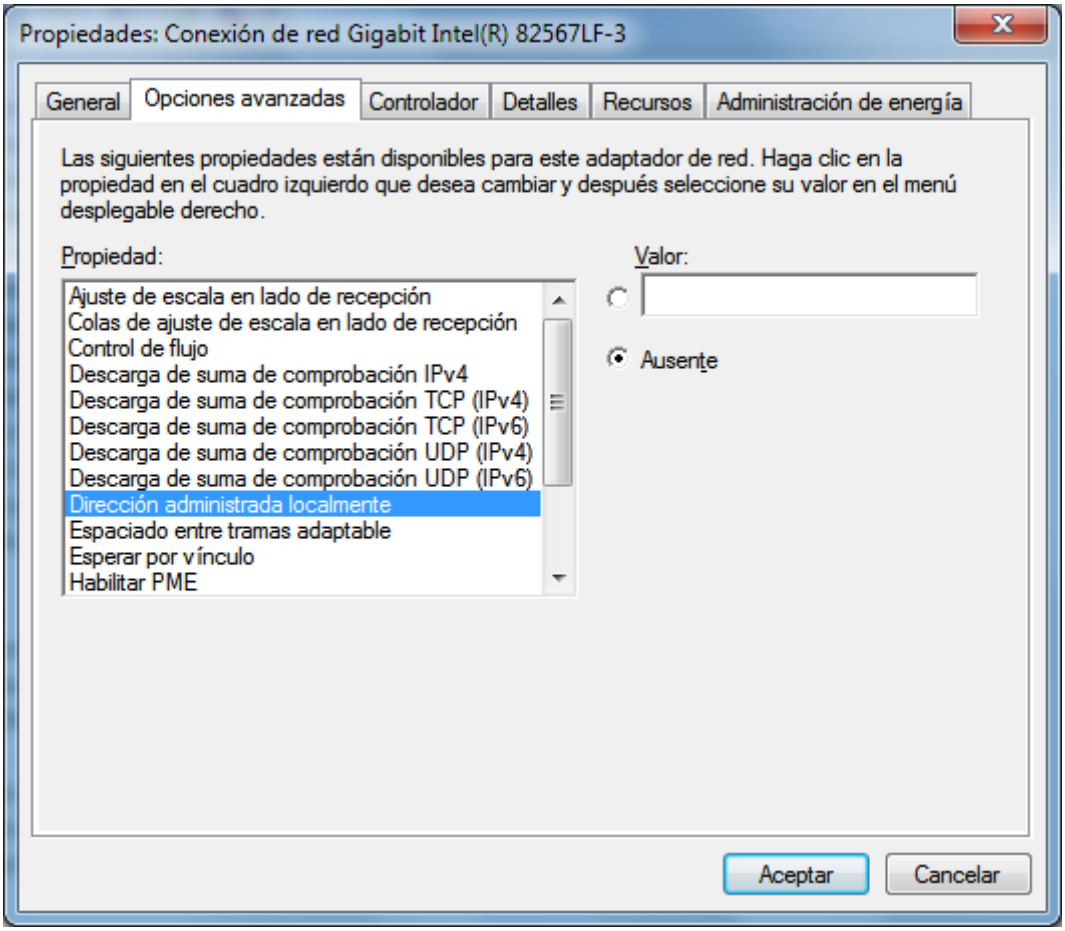


Comprobación de macs:

```
C:\Windows\system32\CMD.exe
   Descripción . . . . . : TeamViewer VPN Adapter
   Dirección física. . . . . : 00-FF-11-F4-F6-80
   DHCP habilitado . . . . . : sí
   Configuración automática habilitada . . . : sí

Adaptador de Ethernet Conexión de área local:

   Sufijo DNS específico para la conexión. . :
   Descripción . . . . . : Conexión de red Gigabit Intel
82567LF-3
   Dirección física. . . . . : 00-19-99-6D-A2-C5
   DHCP habilitado . . . . . : no
   Configuración automática habilitada . . . : sí
   Vínculo: dirección IPv6 local. . . : fe80::ec75:fabd:b644:5b86%10(Preferi

   Dirección IPv4. . . . . : 192.168.1.58(Preferido)
   Máscara de subred . . . . . : 255.255.255.0
   Puerta de enlace predeterminada . . . . . : 192.168.1.1
   IAID DHCPv6 . . . . . : 234887577
   DUID de cliente DHCPv6. . . . . : 00-01-00-01-1C-B4-00-8D-00-19
6D-A2-C5
   Servidores DNS. . . . . : 80.58.61.250
                                     80.58.61.254
   NetBIOS sobre TCP/IP. . . . . : habilitado

Adaptador de Ethernet VirtualBox Host-Only Network:

   Sufijo DNS específico para la conexión. . :
   Descripción . . . . . : VirtualBox Host-Only Ethernet
pter
   Dirección física. . . . . : 08-00-27-00-A0-FC
   DHCP habilitado . . . . . : no
   Configuración automática habilitada . . . : sí
   Vínculo: dirección IPv6 local. . . : fe80::b4de:22f8:f7d3:7fac%13(Preferi

   Dirección IPv4. . . . . : 192.168.137.1(Preferido)
   Máscara de subred . . . . . : 255.255.255.0
   Puerta de enlace predeterminada . . . . . :
   IAID DHCPv6 . . . . . : 336068647
   DUID de cliente DHCPv6. . . . . : 00-01-00-01-1C-B4-00-8D-00-19
6D-A2-C5
   Servidores DNS. . . . . : fec0:0:0:ffff::1%1
                                     fec0:0:0:ffff::2%1
                                     fec0:0:0:ffff::3%1
   NetBIOS sobre TCP/IP. . . . . : habilitado

Adaptador de túnel isatap.{11F4F680-5906-4E19-98FB-36F139EFB009}:

   Estado de los medios. . . . . : medios desconectados
   Sufijo DNS específico para la conexión. . :
   Descripción . . . . . : Adaptador ISATAP de Microsoft
   Dirección física. . . . . : 00-00-00-00-00-00-00-E0
   DHCP habilitado . . . . . : no
   Configuración automática habilitada . . . : sí

Adaptador de túnel Teredo Tunneling Pseudo-Interface:

   Estado de los medios. . . . . : medios desconectados
   Sufijo DNS específico para la conexión. . :
   Descripción . . . . . : Teredo Tunneling Pseudo-Inter

   Dirección física. . . . . : 00-00-00-00-00-00-00-E0
   DHCP habilitado . . . . . : no
   Configuración automática habilitada . . . : sí

Adaptador de túnel isatap.{F50FF17A-48F5-4729-9E5F-262C47C92946}:

   Estado de los medios. . . . . : medios desconectados
   Sufijo DNS específico para la conexión. . :
   Descripción . . . . . : Adaptador ISATAP de Microsoft
   Dirección física. . . . . : 00-00-00-00-00-00-00-E0
   DHCP habilitado . . . . . : no
   Configuración automática habilitada . . . : sí

Adaptador de túnel isatap.{6A994706-24BB-47B8-9AC1-9FD1735ADE19}:
```

Maquina nativa:

Solo software o desde la configuración del driver:

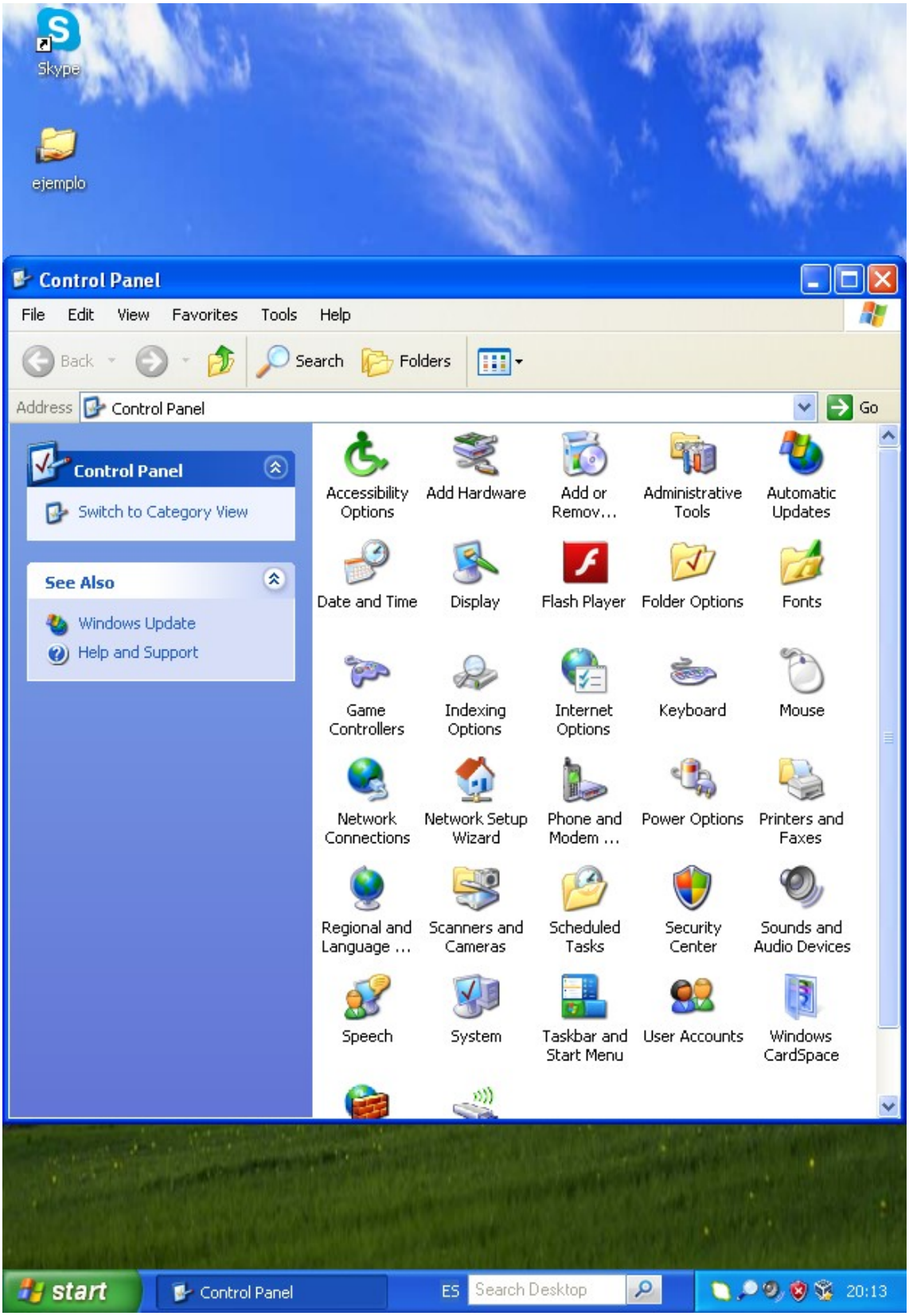


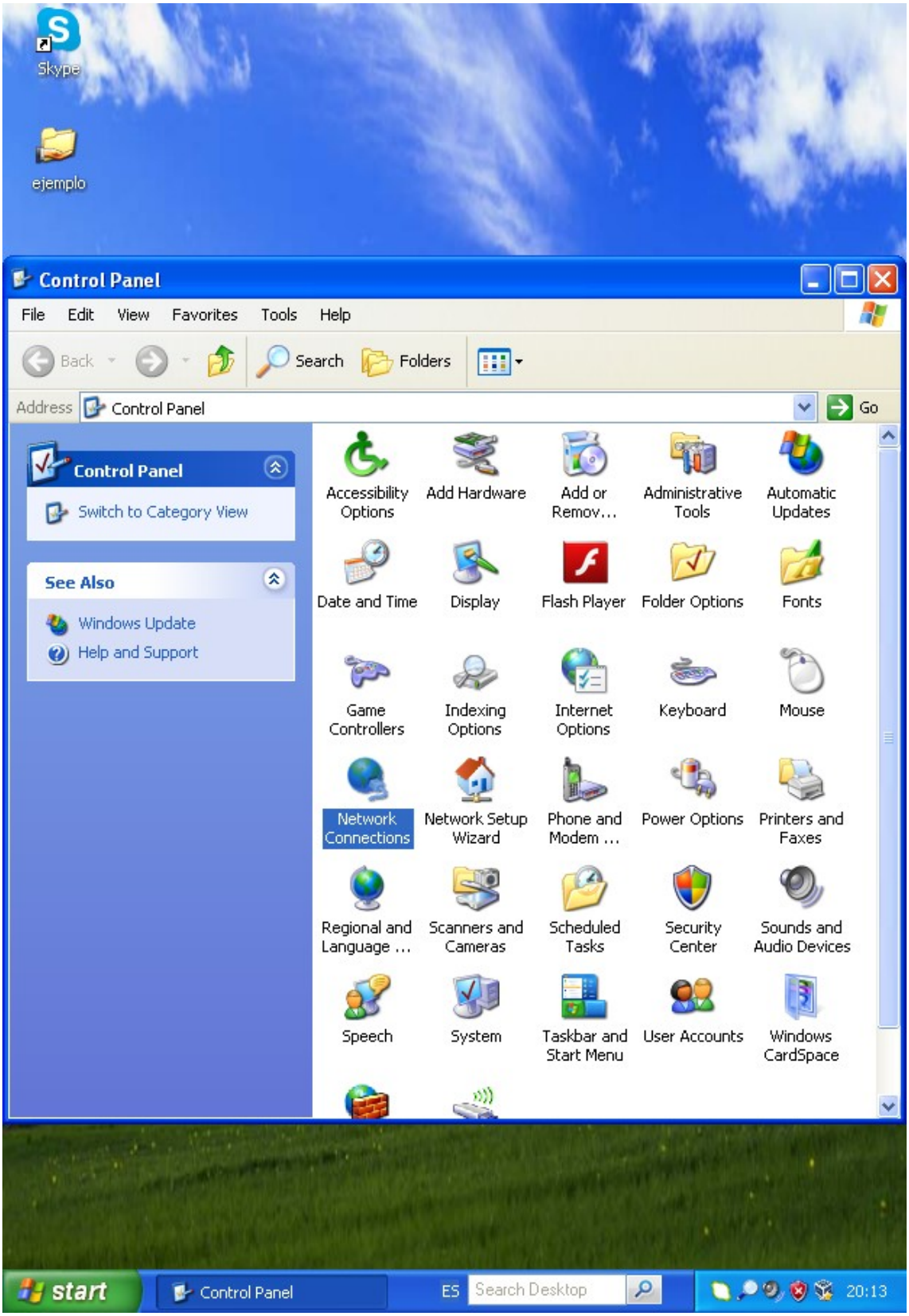
Linux: por comandos

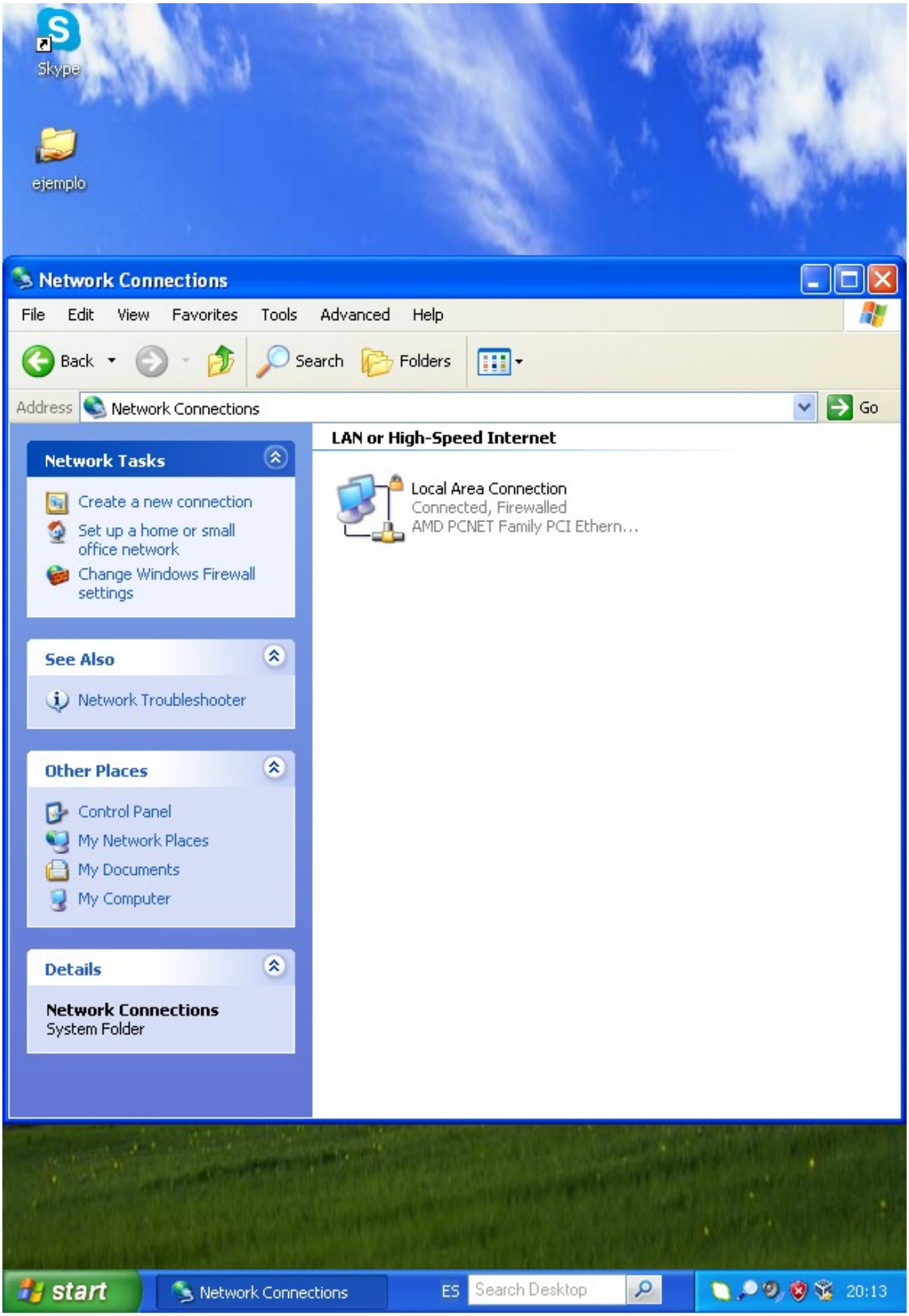
Crear ahora subredes por cada grupo de 4 alumnos, no por filas como antes. Y comprobar que estamos bien conectados con los compañeros que debemos y que no tenemos conexión con los que nos debemos tenerla.

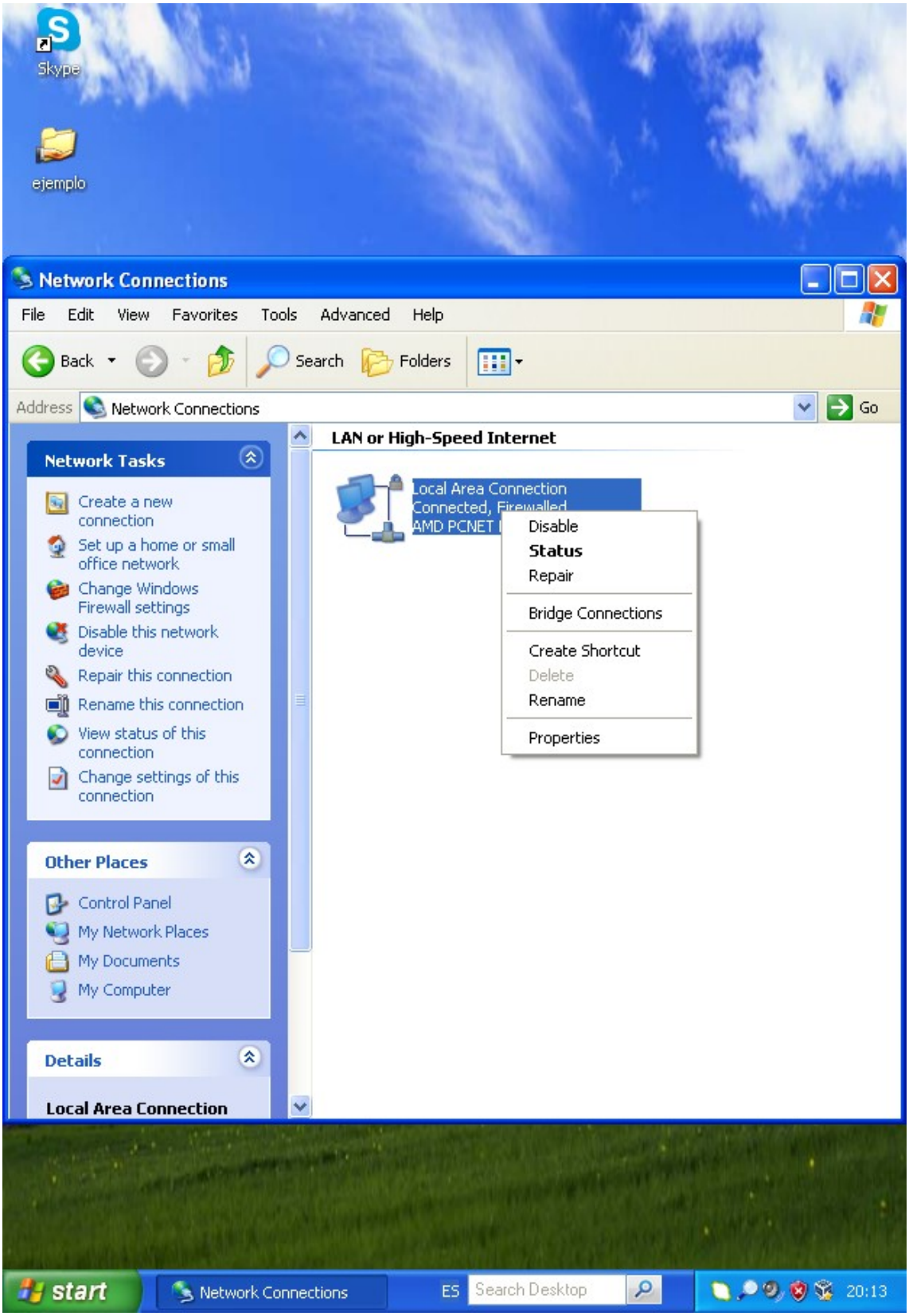
Skype
ejemplo
ejemplo 3
ejemplo2
Recycle Bin
start
ES
Search Desktop
20:12

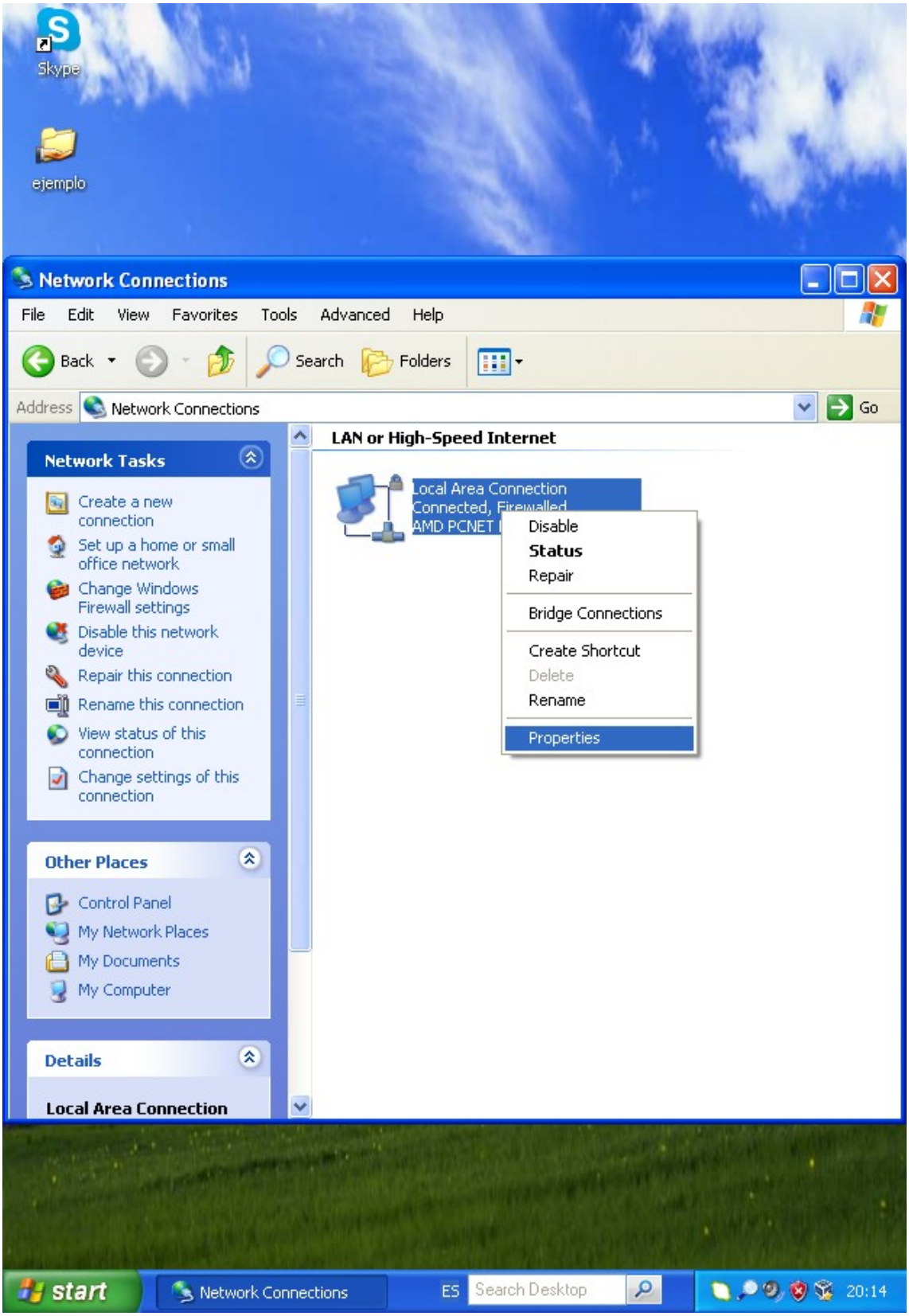
Skype
ejemplo
ejemplo 3
Recycle Bin
ALUMNO-COLON
Internet
Internet Explorer
E-mail
Outlook Express
Windows Media Player
Tour Windows XP
Files and Settings Transfer Wizard
Command Prompt
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
start
ES
Search Desktop
20:12

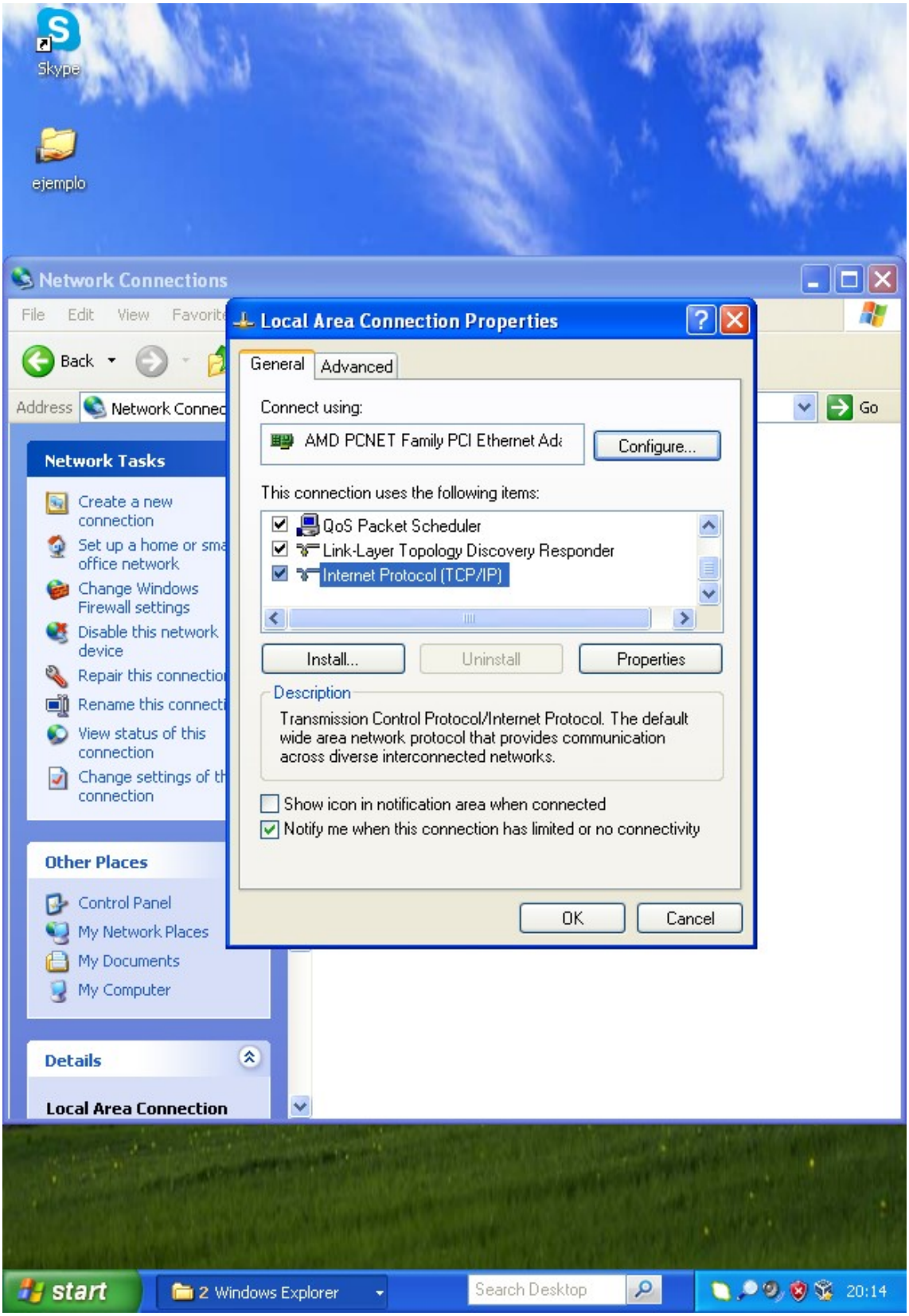

Skype
ejemplo
Control Panel
File Edit View Favorites Tools Help
Back
Search
Folders
Address
Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Date and Time
Display
Flash Player
Folder Options
Fonts
Game Controllers
Indexing Options
Internet Options
Keyboard
Mouse
Network Connections
Network Setup Wizard
Phone and Modem ...
Power Options
Printers and Faxes
Regional and Language ...
Scanners and Cameras
Scheduled Tasks
Security Center
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
20:13

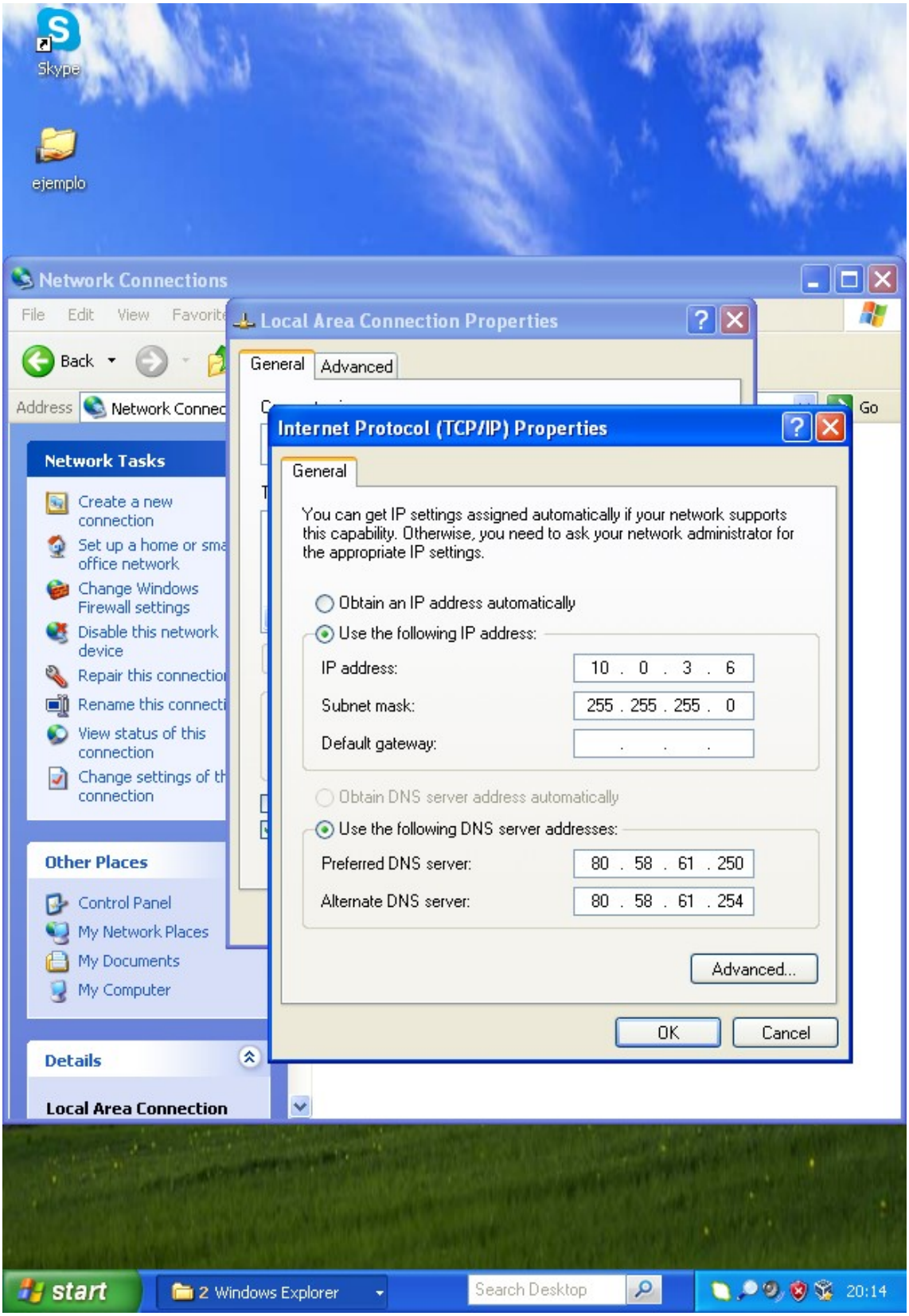

Skype
ejemplo
Control Panel
File Edit View Favorites Tools Help
Back
Search
Folders
Address
Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Date and Time
Display
Flash Player
Folder Options
Fonts
Game Controllers
Indexing Options
Internet Options
Keyboard
Mouse
Network Connections
Network Setup Wizard
Phone and Modem ...
Power Options
Printers and Faxes
Regional and Language ...
Scanners and Cameras
Scheduled Tasks
Security Center
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows CardSpace
start
Control Panel
ES
Search Desktop
20:13

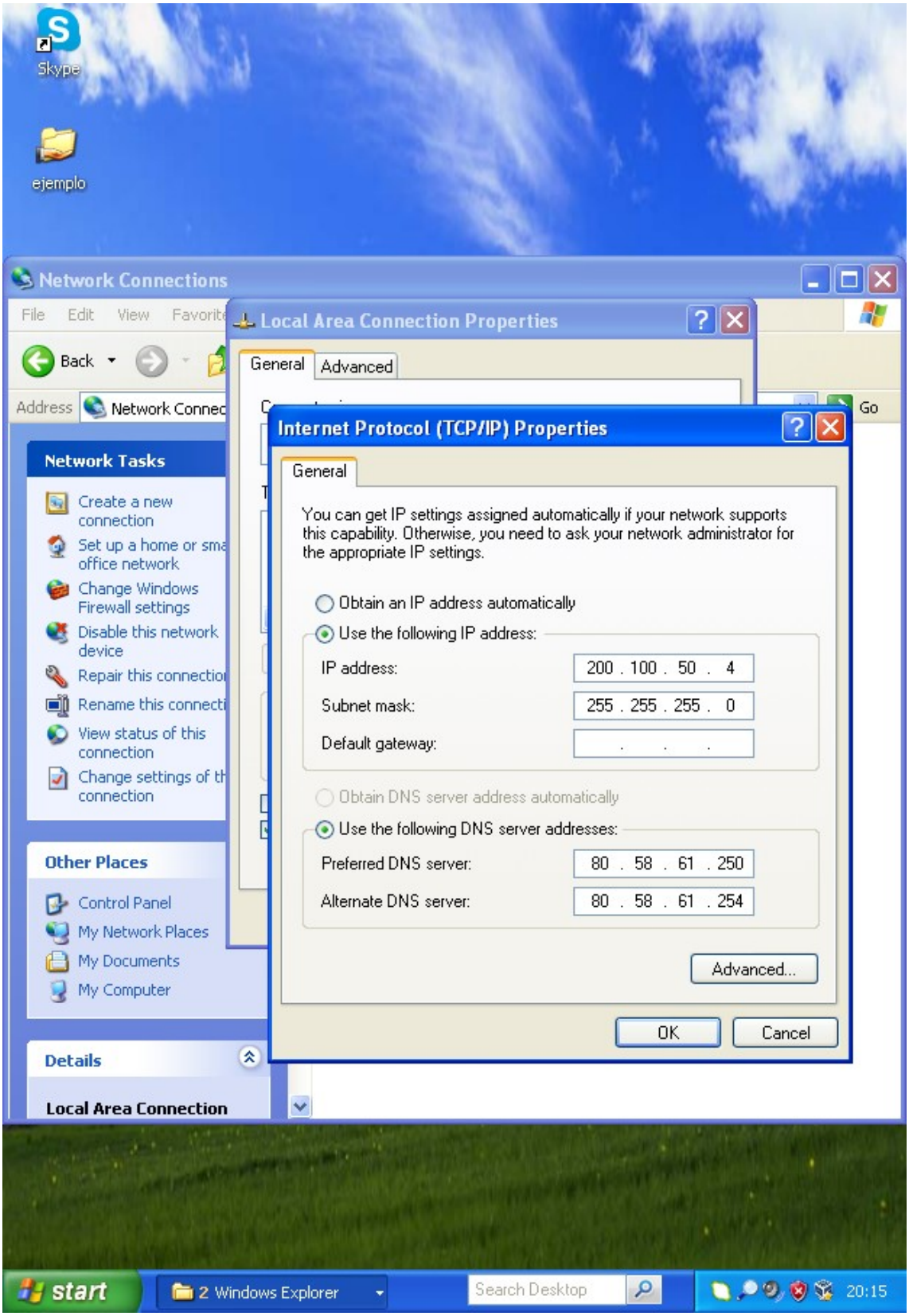

Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
See Also
Network Troubleshooter
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Network Connections
System Folder
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
AMD PCNET Family PCI Ethern...
start
Network Connections
ES
Search Desktop
20:13

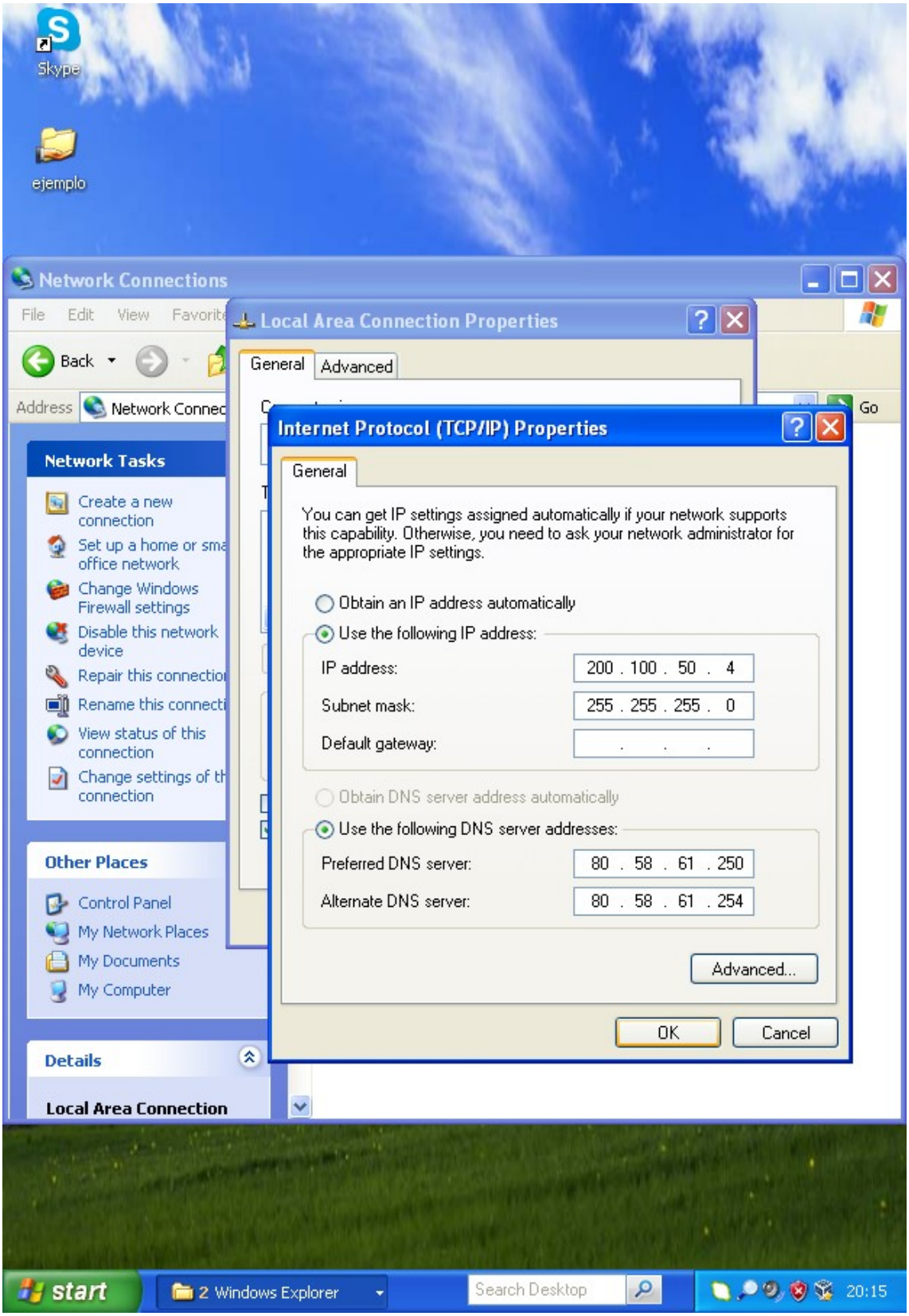

Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
Disable this network device
Repair this connection
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
AMD PCNET
Disable
Status
Repair
Bridge Connections
Create Shortcut
Delete
Rename
Properties
start
Network Connections
ES
Search Desktop
20:13

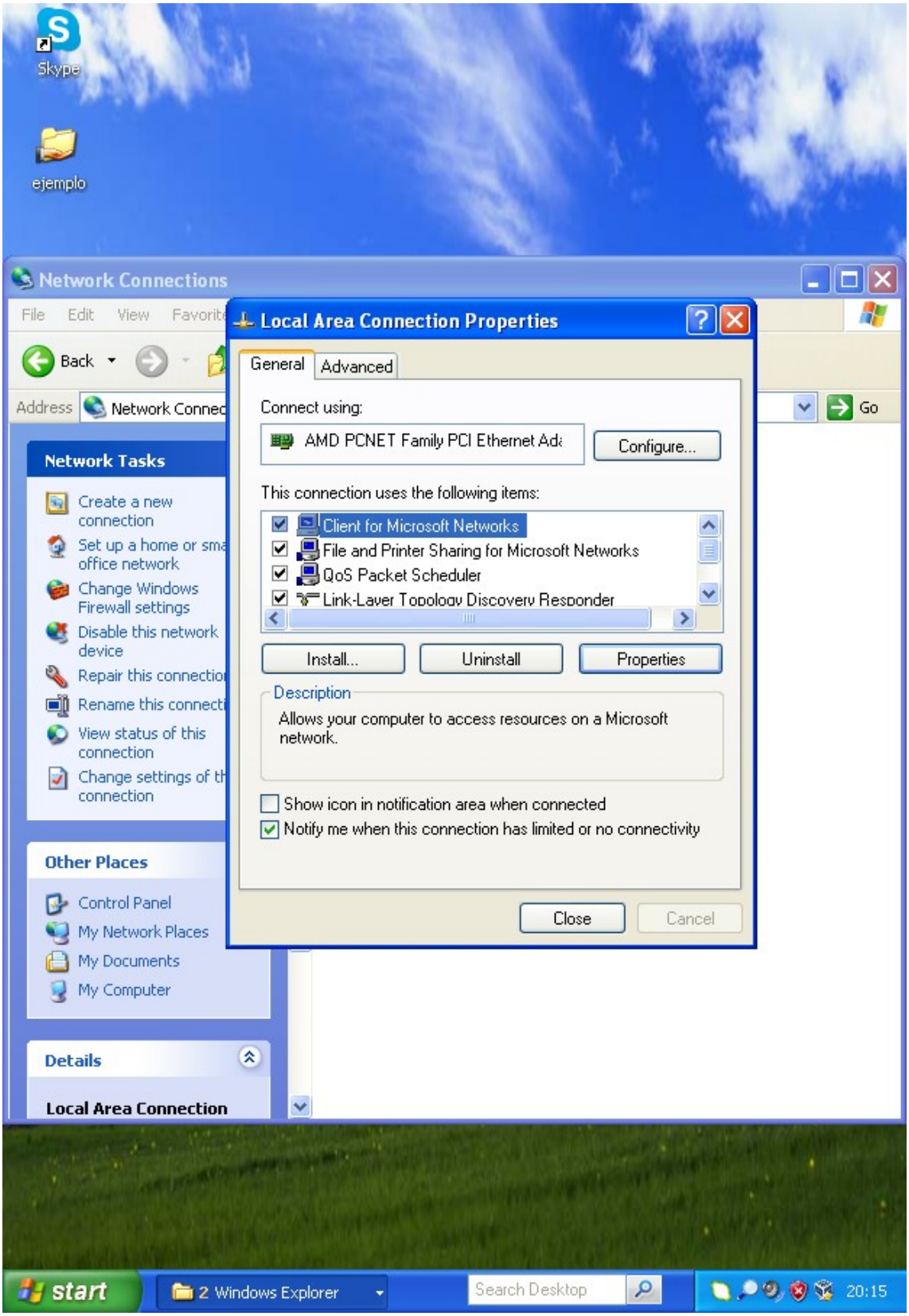

Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
Disable this network device
Repair this connection
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
AMD PCNET
Disable
Status
Repair
Bridge Connections
Create Shortcut
Delete
Rename
Properties
start
Network Connections
ES
Search Desktop
20:14

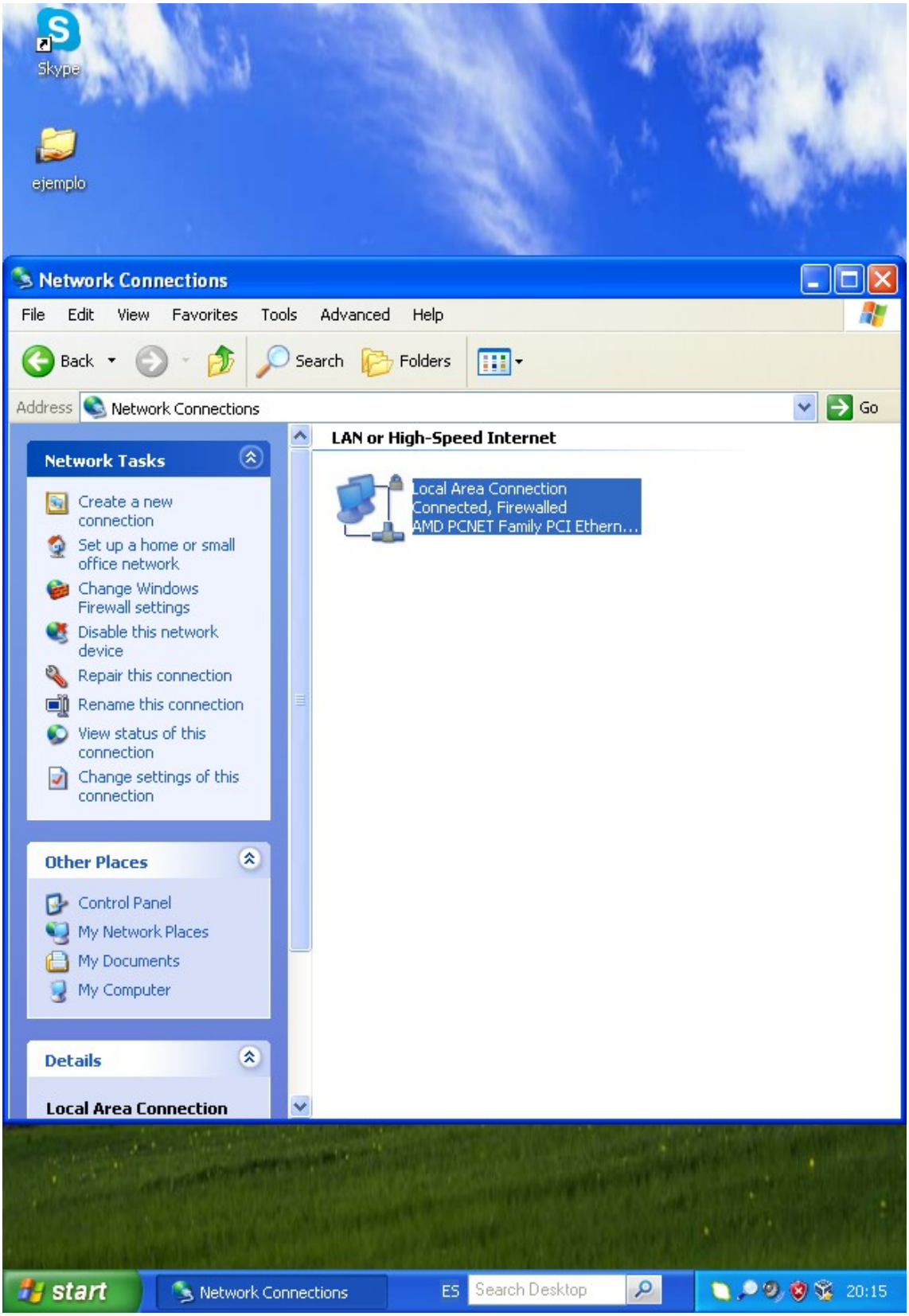

Skype
ejemplo
Network Connections
File Edit View Favorit
Back
Address Network Connec
Go
Network Tasks
Create a new connection
Set up a home or sma office network
Change Windows Firewall settings
Disable this network device
Repair this connectio
Rename this connecti
View status of this connection
Change settings of th connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
Local Area Connection Properties
General
Advanced
Connect using:
AMD PCNET Family PCI Ethernet Ad
Configure...
This connection uses the following items:
QoS Packet Scheduler
Link-Layer Topology Discovery Responder
Internet Protocol (TCP/IP)
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
Notify me when this connection has limited or no connectivity
OK
Cancel
start
2 Windows Explorer
Search Desktop
20:14

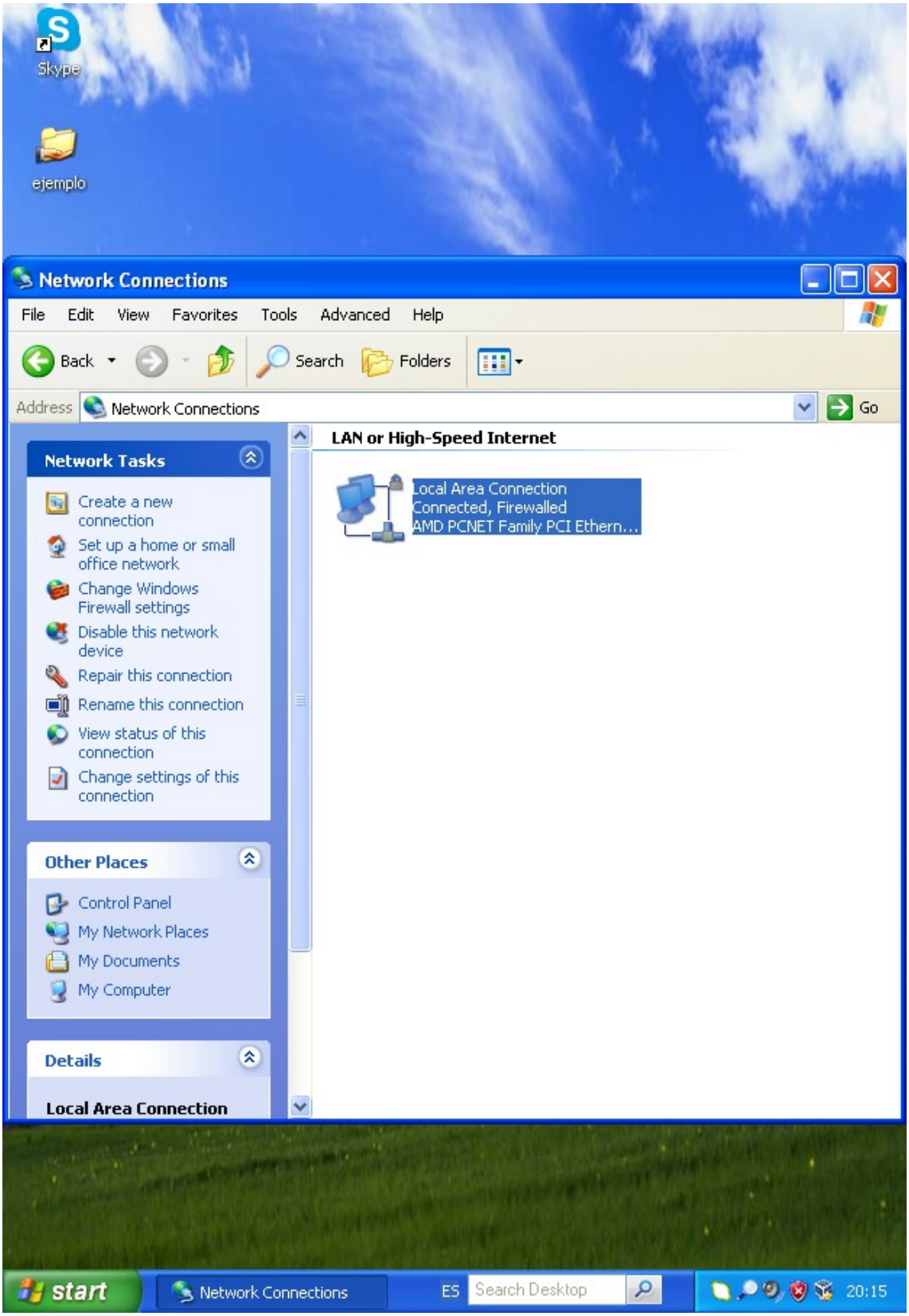

Skype
ejemplo
Network Connections
File Edit View Favorite
Back
Address Network Connec
Go
Network Tasks
Create a new connection
Set up a home or sma office network
Change Windows Firewall settings
Disable this network device
Repair this connectio
Rename this connecti
View status of this connection
Change settings of th connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
Local Area Connection Properties
General
Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 10 . 0 . 3 . 6
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 80 . 58 . 61 . 250
Alternate DNS server: 80 . 58 . 61 . 254
Advanced...
OK
Cancel
start
2 Windows Explorer
Search Desktop
20:14


Skype
ejemplo
Network Connections
File Edit View Favorite
Back
Address Network Connec
Go
Network Tasks
Create a new connection
Set up a home or sma office network
Change Windows Firewall settings
Disable this network device
Repair this connectio
Rename this connecti
View status of this connection
Change settings of th connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
Local Area Connection Properties
General
Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 200 . 100 . 50 . 4
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 80 . 58 . 61 . 250
Alternate DNS server: 80 . 58 . 61 . 254
Advanced...
OK
Cancel
start
2 Windows Explorer
Search Desktop
20:15

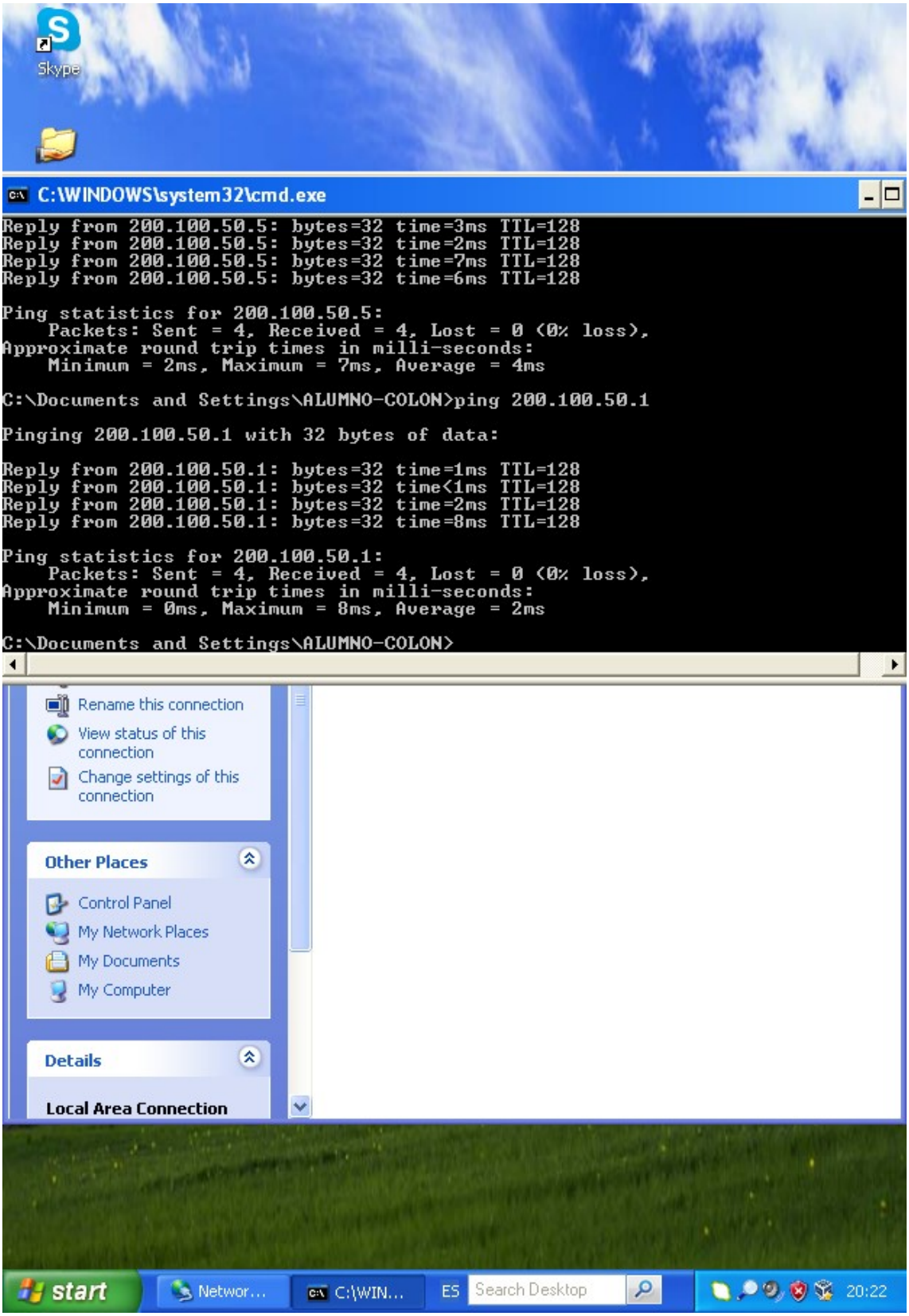

Skype
ejemplo
Network Connections
File Edit View Favorite
Back
Address Network Connec
Go
Network Tasks
Create a new connection
Set up a home or sma office network
Change Windows Firewall settings
Disable this network device
Repair this connectio
Rename this connecti
View status of this connection
Change settings of th connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
Local Area Connection Properties
General
Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 200 . 100 . 50 . 4
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 80 . 58 . 61 . 250
Alternate DNS server: 80 . 58 . 61 . 254
Advanced...
OK
Cancel
start
2 Windows Explorer
Search Desktop
20:15

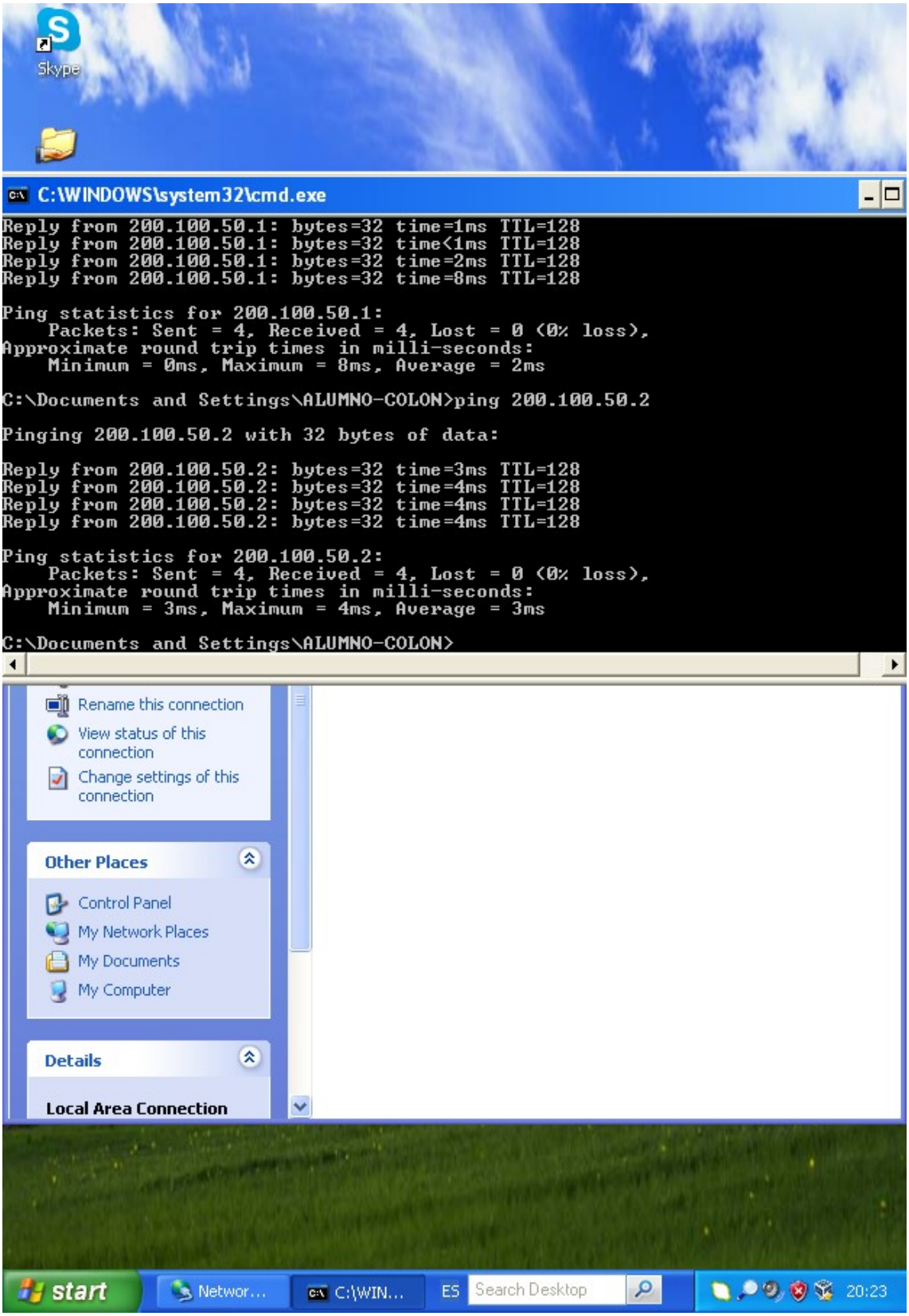

Skype
ejemplo
Network Connections
File Edit View Favorit
Back
Address Network Connec
Go
Network Tasks
Create a new connection
Set up a home or sma office network
Change Windows Firewall settings
Disable this network device
Repair this connectio
Rename this connecti
View status of this connection
Change settings of th connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
Local Area Connection Properties
General
Advanced
Connect using:
AMD PCNET Family PCI Ethernet Ad
Configure...
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
QoS Packet Scheduler
Link-Layer Topology Discovery Responder
Install...
Uninstall
Properties
Description
Allows your computer to access resources on a Microsoft network.
Show icon in notification area when connected
Notify me when this connection has limited or no connectivity
Close
Cancel
start
2 Windows Explorer
Search Desktop
20:15

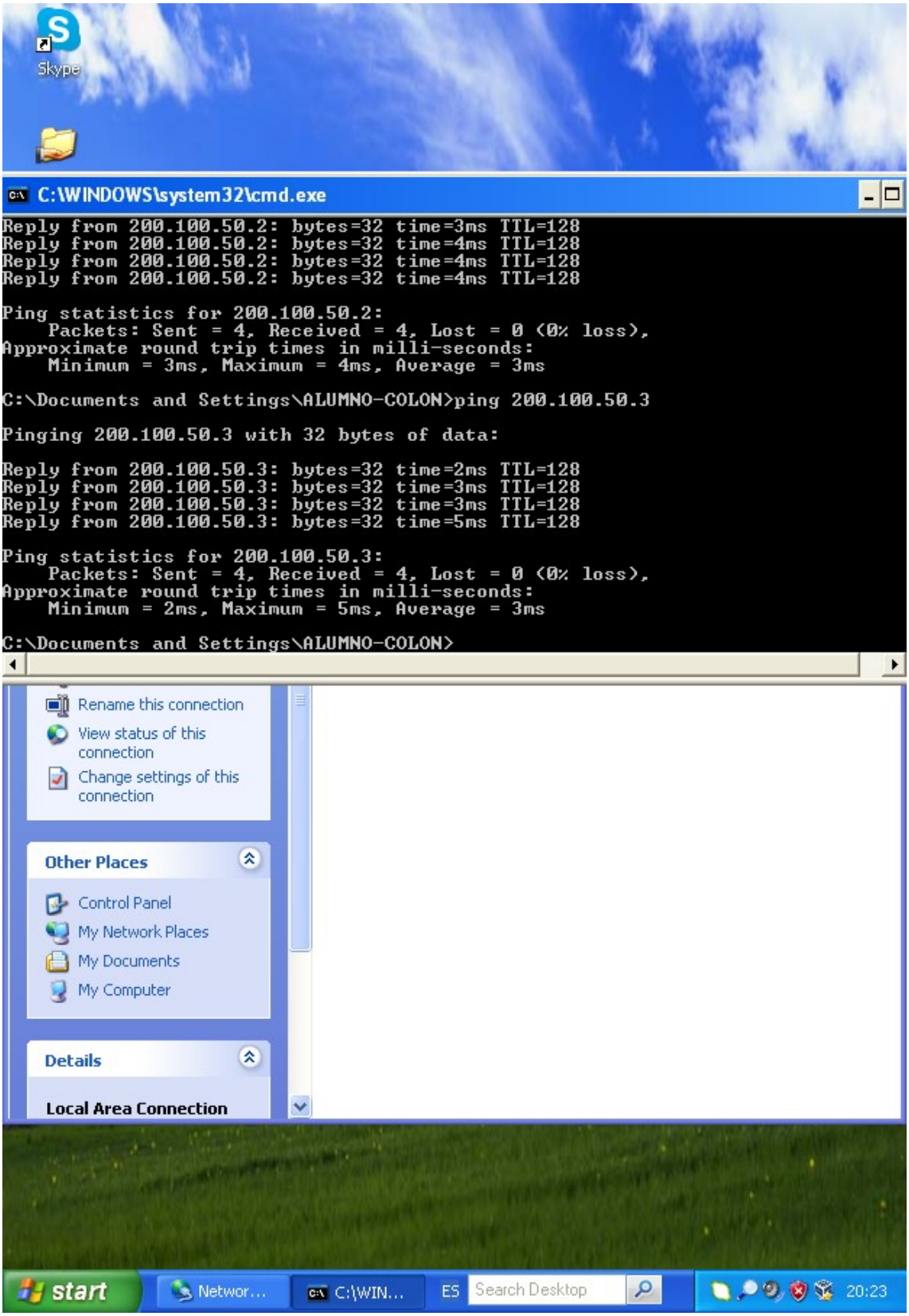

Skype
ejemplo
Network Connections
File Edit View Favorites Tools Advanced Help
Back
Search
Folders
Address
Network Connections
Go
Network Tasks
Create a new connection
Set up a home or small office network
Change Windows Firewall settings
Disable this network device
Repair this connection
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
Local Area Connection
Connected, Firewalled
AMD PCNET Family PCI Ethern...
start
Network Connections
ES
Search Desktop
20:15

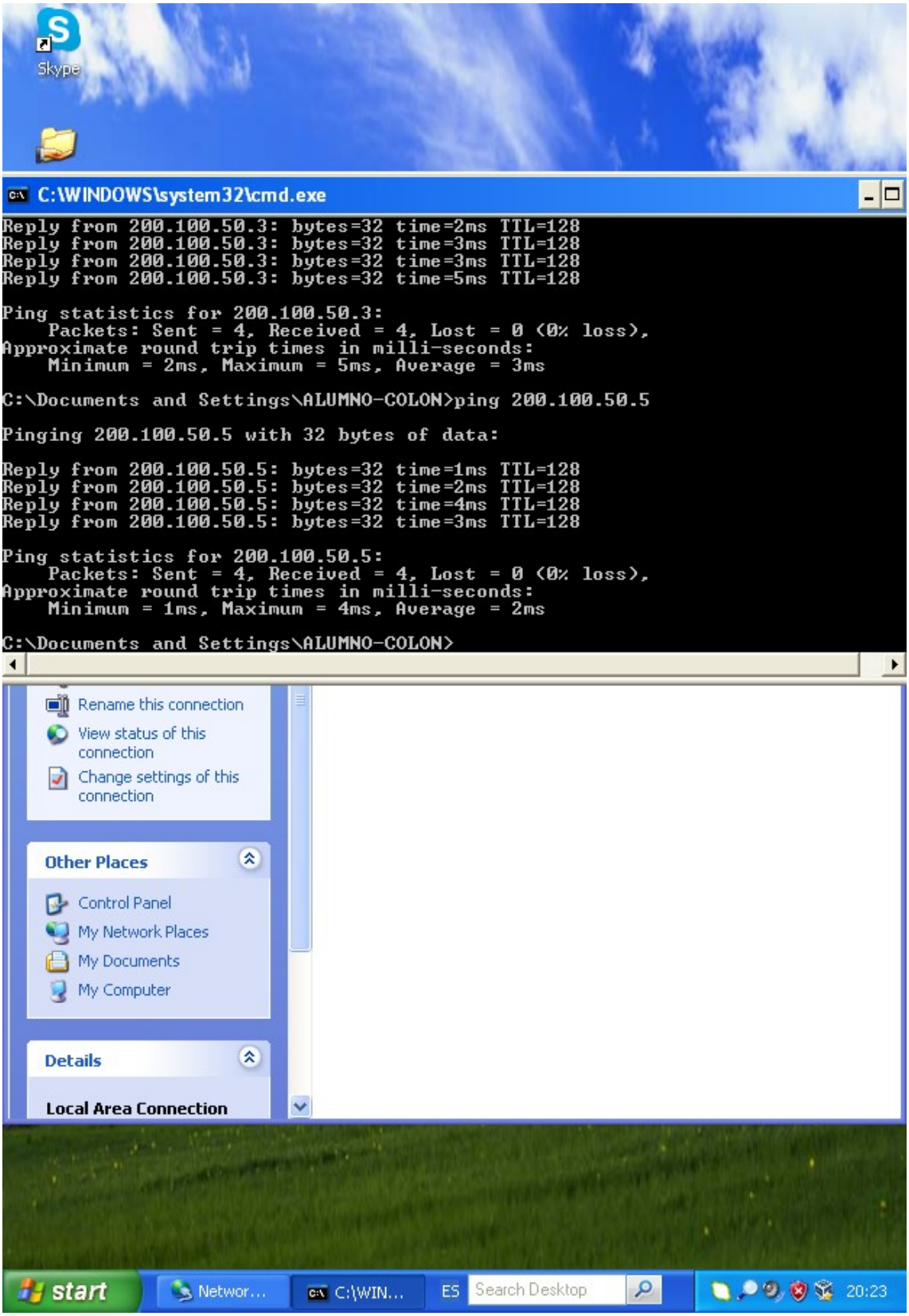


Comprobación de ping:

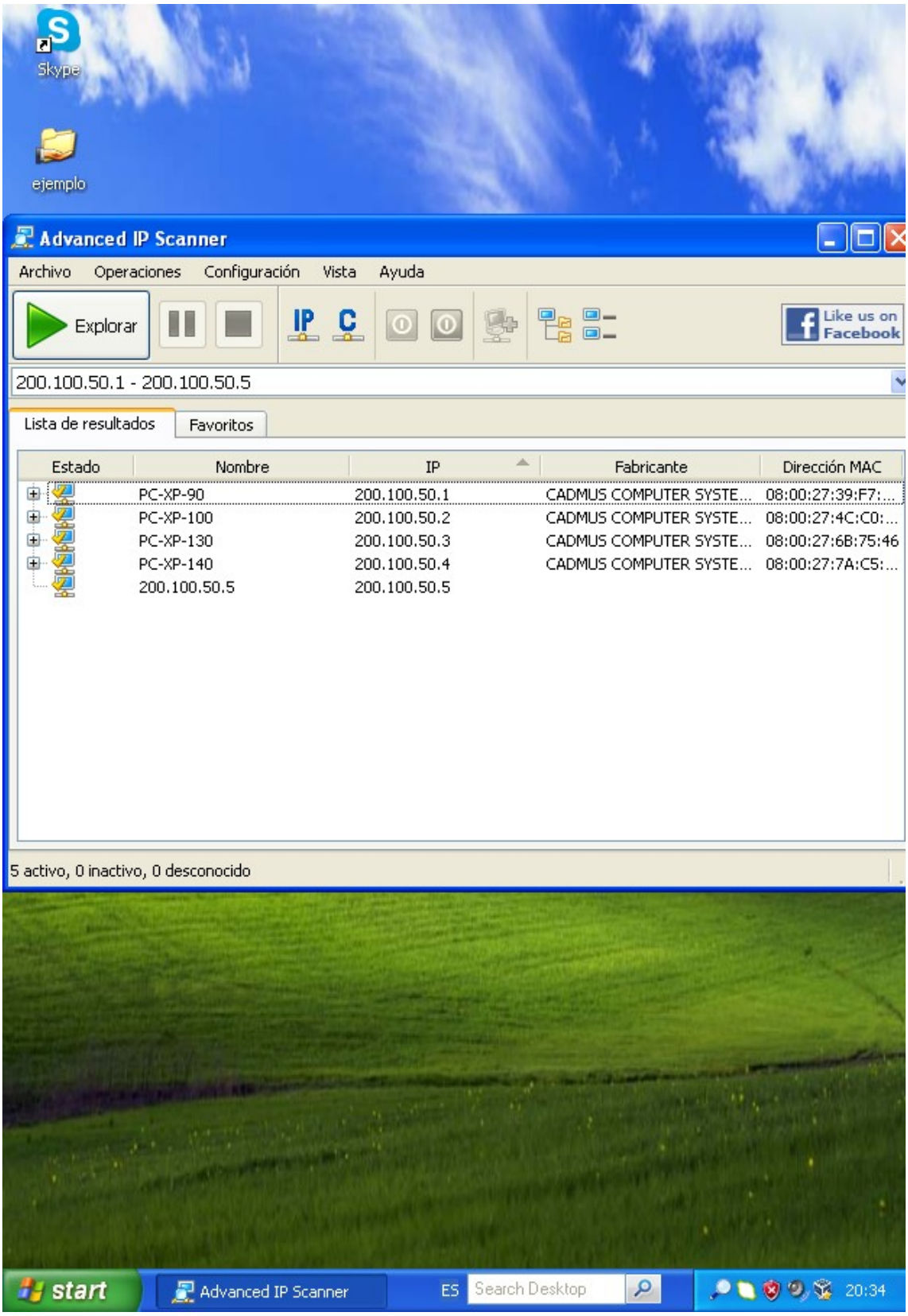

Skype
C:\WINDOWS\system32\cmd.exe
Reply from 200.100.50.5: bytes=32 time=3ms TTL=128
Reply from 200.100.50.5: bytes=32 time=2ms TTL=128
Reply from 200.100.50.5: bytes=32 time=7ms TTL=128
Reply from 200.100.50.5: bytes=32 time=6ms TTL=128
Ping statistics for 200.100.50.5:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 7ms, Average = 4ms
C:\Documents and Settings\ALUMNO-COLON>ping 200.100.50.1
Pinging 200.100.50.1 with 32 bytes of data:
Reply from 200.100.50.1: bytes=32 time=1ms TTL=128
Reply from 200.100.50.1: bytes=32 time<1ms TTL=128
Reply from 200.100.50.1: bytes=32 time=2ms TTL=128
Reply from 200.100.50.1: bytes=32 time=8ms TTL=128
Ping statistics for 200.100.50.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 8ms, Average = 2ms
C:\Documents and Settings\ALUMNO-COLON>
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
start
Networ...
C:\WIN...
ES
Search Desktop
20:22


Skype
C:\WINDOWS\system32\cmd.exe
Reply from 200.100.50.1: bytes=32 time=1ms TTL=128
Reply from 200.100.50.1: bytes=32 time<1ms TTL=128
Reply from 200.100.50.1: bytes=32 time=2ms TTL=128
Reply from 200.100.50.1: bytes=32 time=8ms TTL=128
Ping statistics for 200.100.50.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 8ms, Average = 2ms
C:\Documents and Settings\ALUMNO-COLON>ping 200.100.50.2
Pinging 200.100.50.2 with 32 bytes of data:
Reply from 200.100.50.2: bytes=32 time=3ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Ping statistics for 200.100.50.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 3ms, Maximum = 4ms, Average = 3ms
C:\Documents and Settings\ALUMNO-COLON>
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
start
Networ...
C:\WIN...
ES
Search Desktop
20:23


Skype
C:\WINDOWS\system32\cmd.exe
Reply from 200.100.50.2: bytes=32 time=3ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Reply from 200.100.50.2: bytes=32 time=4ms TTL=128
Ping statistics for 200.100.50.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 3ms, Maximum = 4ms, Average = 3ms
C:\Documents and Settings\ALUMNO-COLON>ping 200.100.50.3
Pinging 200.100.50.3 with 32 bytes of data:
Reply from 200.100.50.3: bytes=32 time=2ms TTL=128
Reply from 200.100.50.3: bytes=32 time=3ms TTL=128
Reply from 200.100.50.3: bytes=32 time=3ms TTL=128
Reply from 200.100.50.3: bytes=32 time=5ms TTL=128
Ping statistics for 200.100.50.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 5ms, Average = 3ms
C:\Documents and Settings\ALUMNO-COLON>
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
start
Networ...
C:\WIN...
ES
Search Desktop
20:23



Cambiar la máscara de red para que todos los equipos que antes estaban separados en subredes vuelvan a tener conexión entre ellos. ¿Qué máscara de red utilizamos?

255.255.255.0

Advanced IP scanner: